



DACS II
Release 8.2.3 MML
2.048 Mb/s Interface
Quick Reference Guide

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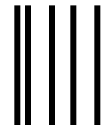


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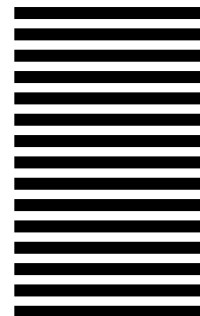
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About This Document

Purpose

The *DACS II Quick Reference Guide* provides a listing and syntax for input commands used by the craft personnel involved in the daily operation and maintenance of the Digital Access and Cross-connect System II.

Intended Audiences

This document is for reference by a technician or craftsperson who already understands the commands and needs a reminder of syntax.

How to Use This Document

There are two ways to access the information in this document:

- This index in the back of the manual
- The overall table of contents in the front of the manual.

Before you use this document, you should have completed the DACS II Operation and Maintenance course (TR3521). If you were not able to take the training course, you should carefully study the information in the *DACS II Operation and Maintenance Manual*. You should also become familiar with the reasons that a command could be denied; this information is presented in Chapter 1 of the *DACS II Operation and Maintenance Manual* and under the appropriate command in the *DACS II Command and Message Manual*.

Contents

■ Chapter 1 - Link/Login/Logoff Commands

This chapter contains commands for adding user logins, logging in and logging off the DACS II, changing link provisioning options, and connecting data communications equipment to the DACS II.

■ Chapter 2 - Provisioning Commands

This chapter contains the commands to provision Network Processing Modules (NPMs), Network Processing Circuits (NPCs), Timing References, and Administrative Links.

■ Chapter 3 - Performance Monitoring Commands

This chapter contains commands for setting threshold values for certain parameters that are used to monitor the performance of the transmission lines that are connected to the DACS II.

■ Chapter 4 - Cross-connect Commands

This chapter contains the commands to establish various types of 64 kbit/s, Clear-DS1, and Channelized DS1 cross-connections, and to disconnect these cross-connections.

■ Chapter 5 - Macro and Map Commands

This chapter contains the commands to create, activate, change, and delete macro files and cross-connection maps.

■ **Chapter 6 - Roll Commands**

This chapter contains the commands to perform and disconnect the various facility and DS0 circuit rolls.

■ **Chapter 7 - Change Commands**

This chapter contains the commands to perform changes to various cross-connections, circuit and alarm parameters, NPC types and other options.

■ **Chapter 8 - Remove Commands**

This chapter contains the commands to remove links, NPCs, units, and TSIs.

■ **Chapter 9 - Restore Commands**

This chapter contains the commands to restore links, NPCs, units, and TSIs.

■ **Chapter 10 - Test Access Commands**

This chapter contains the commands to establish test ports and 64 kbit/s test connections.

■ **Chapter 11 - Subrate Commands**

This chapter contains the commands for creating subrate cross-connections and disconnections, establishing subrate channel, and creating and deleting subrate test access connections.

■ **Chapter 12 - Troubleshooting**

This chapter contains commands for isolating and clearing various DACS II troubles.

■ **Chapter 13 - Miscellaneous Commands**

This chapter contains miscellaneous DACS II commands.

■ Chapter 14 - Denial Codes

This chapter lists the denial codes and their meanings. This information is useful in determining problems with the DACS II.

Conventions Used

This manual uses special fonts for the user to differentiate computer input/output. The **constant width font** indicates message formats, keywords, letter representations of parameters, parameter values, and messages as they would appear on a DACS II terminal screen.

Related Documentation

The following documents support the DACS II system:

- DACS II Installation Manual:
 - IPH903 (DACS II CEF)
 - IPH903I (DACS II ESBF)

Audience: Customers planning to install the equipment

Content: Customer installation instructions.

- DACS II Release 7.0 Product Description Manuals:
 - 365-353-085 (24 Channel)
 - 365-353-086 (30 Channel)

Audience: Network planners, engineers, and others that need to know how the DACS II works and fits into the network

Content: Features, applications, and description and other reference information.

■ DACS II Release 8.2.3 Operation and Maintenance Manuals:

- 365-353-221 (PDS)
- 365-353-231 (MML)
- 365-353-241 (PDS 2.048-Mb/s Interface)
- 365-353-251 (MML 2.048-Mb/s Interface)

Audience: End-user maintenance personnel

Contents: Procedures to operate and maintain the DACS II.

■ DACS II Release 8.2.3 Command and Message Manuals:

- 365-353-222 (PDS)
- 365-353-232 (MML)
- 365-353-242 (PDS 2.048-Mb/s Interface)
- 365-353-252 (MML 2.048-Mb/s Interface)

Audience: End-user maintenance personnel

Content: Description of each software input message and its response along with a description of each system output report.

■ DACS II Release 8.2.3 Quick Reference Guides:

- 365-353-223 (PDS)
- 365-353-233 (MML)
- 365-353-243 (PDS 2.048-Mb/s)
- 365-353-253 (MML 2.048-Mb/s)

Audience: End-user maintenance personnel

Content: Abbreviated list of system commands and parameters.

■ DACS II Release 8.2.3 Software Release Description:

— Comcode C108460080

Audience: End-user maintenance personnel

Content: Upgrade procedures for the new software release, status of problems fixed in previous releases, and operating issues for the specified software release.

■ X.50/X.57 Subrate Application

Release 1.0.3 for DACS II

Release 1.0.4 for DACS II ISX

MML 2.048 Mbit/s Interface

User's Manual

— 365-350-101 (MML)

Audience: End-user maintenance personnel

Content: Complete manual describing how to install and operate the X.50/X.57 Subrate application on the DACS II or DACS II ISX.

Commands and messages describing how to perform subrate cross-connects and subrate test access are included.

■ DDS Subrate and MJU Application

Release 1.0.4 for DACS II

Release 1.0.5 for DACS II ISX

User's Manual

— 365-350-110 (PDS),

— 365-350-111 (MML)

Audience: End-user maintenance personnel

Content: Complete manual describing how to install and operate the DDS Subrate and MJU application on the DACS II or DACS II ISX.

Commands and messages describing how to perform DDS subrate cross-connects, subrate test access, and subrate MJU operations are included.

- Digital Multipoint Bridge (DMB)
 DSP Platform Application
 Release 1.0.2 for DACS II
 Release 1.0.3 for DACS II ISX
 User's Manual
 - 365-353-144 (PDS)
 - 365-353-154 (MML)

Audience: End-user maintenance personnel

Content: Complete manual describing how to install and operate the DMB application on the DACS II or DACS II ISX. Commands and messages describing how to perform DMB cross-connects and DMB test access operations are included.

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- For technical information, call Lucent Technologies Documentation Support (1-800-334-0404).

Link/Login/Logoff Commands

1

[I.38301] Change User Password

CHG-LGN::::[<old password>:<new password>];

If the user is on a Snider protocol administrative link, the command is entered as follows:

CHG-LGN;

Then DACS II will prompt the user for the old and new password:

OLD PASSWD: (user enters the old password)

NEW PASSWD: (user enters the new password)

PASSWD: (user re-enters the new password for verification)

[I.36101] Add User

If the command is entered on a Snider link, the command is entered as follows:

CRTE-LGN::::<user id>[,NEW];

DACS II generates the message below and a dialog is started:

PASSWD: (The frame administrator enters user password.)

REENTER PASSWD: (The frame administrator again enters the user password.)

Note that the user password is not echoed by DACS II.

If the command is entered on an X.25 link, the command is entered as follows:

CRTE-LGN::::<user id>,<user password>;

No dialog is initiated by DACS II.

[I.37101] Delete User

DLT-LGN::::<user id>;

[I.36003] Add Link, X.25, Protocol, Data Link, Layer Parameters

**ED-PRMTR-LINK: :j:: [K-b][, T1-eee][, T3-ggg][, N2-aa]\
[, FRMAD-{A|B}];**

[I.36001] Add Link, Protocol, Baud

**ED-PRMTR-LINK: :j::PTCOL-{S|X|T|M}[,BAUD-bb][,ALM-k]\
[,BS-e][,ENQ-q][,XON-x]:[INIT];**

If the protocol is Snider:

**ED-PRMTR-LINK: :j::PTCOL-S[,BAUD-bb][,ALM-k][,BS-e]\
[,ENQ-q][,XON-x]:[INIT];**

If the protocol is X.25:

ED-PRMTR-LINK: :j::PTCOL-X[,ALM-k]:[INIT];

If the protocol is TABS:

ED-PRMTR-LINK: :j::PTCOL-T[,BAUD-bb][,ALM-k]:[INIT];

If the protocol is Modified Snider:

ED-PRMTR-LINK: :j::PTCOL-M[,ALM-k]:[INIT];

[I.36005] Add X.25 Link Parameters

**ED-PRMTR-LINK: :l[mm]: :[W-c][,P-ddd][,T20-iii]\
[,T22-jjj][,T23-kkk][,T25-lll][,T26-mmm][,R20-nn]\
[,R22-p][,R23-qq][,R25-r][,DBIT-v][,VC-ppss&-gghh];**

[I.39001] Log On To DACS II

LGN-USER:::<user id>[,<user password>];

If the user is on a Snider administrative link, the message is entered as follows:

LGN-USER:::<user id>;

Then DACS II will prompt the user with the following:

PASSWD: (user enters the user password)

[I.39101] Log Off User or Link

LGT-{TERM|USER}:::<1[mm][,INCL]|<user id>;

[I.38401] Change User/Link Screening

SET-PRVG-{TERM|USER}:::<1[mm][,INCL]|<user id>:
[SCR-n[,GR-a&-b&-c&-d&-e&-f]]:[{MCON|MCOFF}]:[INIT];

[I.36103] Add User/Link Language, NPC Addressing and Priority

SET-PRVG-{USER|TERM|ALL}:::<user id>|1[mm]
[,INCL]]:[LANG-{P|M|F}]:[NPCAD-{E|X|H}]:
[LEV-a&-b&-c&-d&-e&-f]:[{RMON|RMOFF}]:
[RLK-{A|I}]:[INIT];

Provisioning Commands

2

[I.31211] Provision a Unit

For DACS II Non-CEF frames:

CRTE-CNFGRN-EQPT::UNIT-q::[a[,b[,c[,d[,e [,f]]]]]]:[utxyz];

For DACS II CEF frames:

CRTE-CNFGRN-EQPT::UNIT-[q]q:::[utxyz];

[I.31331] Provision Digital Signal Processing Unit NPC

CRTE-EQPT::NPC-[s]abc[&&- [t]def]::mnxyz;

CRTE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::mnxyz;

[I.31351] Provision Digital Signal Processing Unit NPC

CRTE-EQPT::NPC-[s]abc::mnxyz;
CRTE-EQPT::NPC-uv-m-np::mnxyz;

Caution 1: The NPC should be restored immediately (both duplicated sides, 0 and 1) using Message No. I.34351 (RST-EQPT::NPC) after being grown to avoid having both sides out of service. If this is not possible, the NPC should be degrown immediately using Message No. 32341 (DISC-EQPT::NPC).

Caution 2: The NPC and (Expanded) Time Slot Interchanger (TSI/ETSI) circuit packs must be inserted into the inactive side of DACS II. Inserting circuit packs into the active side may result in transmission "hits."

[I.31362] Provision NPC

CRTE-EQPT::NPC-[s]abc[&&-[t]def]::[mnxyz]:
[rr/m[&rr/m...]]: [IW-X-pq[r]]
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];
CRTE-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::[mnxyz]:
[rr/m[&rr/m...]]: [IW-X-pq[r]]
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];

[I.31363] Provision NPC

CRTE-EQPT::NPC-[s]abc[&&-[t]def]::[mnxyz]:
[rr/m[&rr/m...]]: [IW-X-pq[r]]
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];
CRTE-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::[mnxyz]:
[rr/m[&rr/m...]]: [IW-X-pq[r]]
[,AIS-{MI|PMA|DMA|PMC}][,LEV-s];

[I.31401] Provision Test-Access Group NPC

CRTE-EQPT::NPC-[s]abc::NPCTG-rrr;
CRTE-EQPT::NPC-uv-m-np::NPCTG-rrr;

[I.31381] Provision Test Port NPC

CRTE-EQPT::NPC-[s]abc::NPCTP-n;
CRTE-EQPT::NPC-uv-m-np::NPCTP-n;

[I.31101] Provision Synchronizer Time Base

CRTE-EQPT::SYNC::TBpqr;

[I.31111] Provision Clock Reference Oscillator

CRTE-EQPT::SYNC::TBpqr:TLI-3;

[I.31121] Provision Synchronizer Timing Link Interface

CRTE-EQPT::SYNC::TLI-m:
{texyz,SSP-a,SRC-p[,NPC-[0]abc]|TDxyz};
CRTE-EQPT::SYNC::TLI-m:
{texyz,SSP-a,SRC-p[,NPC-uv-m-np]|TDxyz};

[I.31421] Provision Test-Access Group

CRTE-EQPT::TG-mmm::rrr-eee[&&-fff],
sss-www[&&-xxx]:[<tc>;

[I.31411] Provision Test Port

CRTE-EQPT::TP-kk::[<tc>;

[I.31321] Provision Facility Terminating Module Interface

CRTE-EQPT: :UNIT-[q]q: :FTMI-d:IMP-<imp>;

[I.32341] Deprovision NPC

DISC-EQPT: :NPC-[s]abc[&&- [t]def];

DISC-EQPT: :NPC-uv-m-np[&&&-uv-k-qr];

[I.32401] Deprovision Test-Access Group NPC

DISC-EQPT: :NPC-[s]abc: :NPCTG-rrr: [TGR];

DISC-EQPT: :NPC-uv-m-np: :NPCTG-rrr: [TGR];

[I.32381] Deprovision Test Port NPC

DISC-EQPT: :NPC-[s]abc: :NPCTP-n: [TPR];

DISC-EQPT: :NPC-uv-m-np: :NPCTP-n: [TPR];

[I.32101] Deprovision Synchronizer Time Base

DISC-EQPT: :SYNC: :TB;

[I.32121] Deprovision Synchronizer Timing Link Interface

DISC-EQPT: :SYNC: :TLI-m: [SSP-a];

[I.32421] Deprovision Test-Access Group

DISC-EQPT: :TG-mmm[&&-nnn];

[I.32411] Deprovision Test Port

DISC-EQPT: :TP-kk;

[I.32211] Deprovision Unit

DISC-EQPT::UNIT-[q]q;

[I.32321] Deprovision Facility Terminating Module Interface

DISC-EQPT::UNIT-[q]q::FTMI-d;

[I.27002] Test Port Release

DISC-TACC-T0:::ALL:[00S];

[I.36021] Add Network Processing Circuit

**ED-ADD-MAP::NPC-{[s]abc&&-[t]def|[s]abc\
[&-[s]ghi]....[&-[t]def]};**

**ED-ADD-MAP::NPC-{uv-m-np&&&-wx-k-qr|uv-m-np\
[&-ab-c-de]....[&-wx-k-qr]};**

[I.30101] Provision Frame

ED-PRMTR-NE:::<uid>[,FRAME-fg]:[CHAR-m];

[I.35011] Configure Synchronizer

ENT-EQPT::SYNC-a::FPLL;

[I.35021] Configure Frame

INIT-SYS::FRAME;

Performance Monitoring Commands

3

[I.38631] Set Errored Block Threshold Ratio

ED-OPT-T1::NPC::TYPE-mn:ERB-ee;

[I.56061] Utility Clear Hardware/Software Error Recovery Log File

INIT-LOG:::ERR:{HWER|SWER};

[I.56011] Utility Clear Counter/State NPC

INIT-REG:::<parameter>:ALL;

[I.56001] Utility Clear Counter/State NPC

INIT-REG::[NPC-[s]abc[&&- [t]def]]::<parameter>;

INIT-REG::[NPC-uv-m-np[&&&-wx-k-qr]]::<parameter>;

[I.56051] Clear Facility Performance Parameters

INIT-REG::NPC-[s]abc;

INIT-REG::NPC-uv-m-np;

[I.56071] Utility Clear DA/TA/PA NPC Parameters

```
INIT-REG-T1:: {NPC-[s]abc[&&- [t]def] | ALL}:: \
<parameter>,aaaaa, [dddd], [tttt];
INIT-REG-T1:: {NPC-uv-m-np[&&&-wx-k-qr] | ALL}:: \
<parameter>,aaaaa, [dddd], [tttt];
```

[I.51071] Retrieve Performance Monitoring Report Schedule

```
RTRV-PMREPT-SCHED::: {CFA, MONDAT | CFA |, MONDAT};
```

[I.56091] Query Performance Monitoring Data for DA, TA, and PA Type
NPCs

```
RTRV-PM-T1:: {NPC-[s]abc[&&- [t]def] | ALL}:: \
<parameter>,aaaaa , [1111111111], [dddd], [tttt];
RTRV-PM-T1:: {NPC-uv-m-np[&&&-wx-k-qr] | ALL}:: \
<parameter>,aaaaa , [1111111111], [dddd], [tttt];
```

[I.51101] Utilities, Alarm Reporting

```
SET-ATTR-EQPT::: ALM-a;
```

Cross-Connect Commands

4

[I.13001] Broadcast Cross-Connections

```
CONN-BDCST-T0: : [s]abc-ddd[&&-eee], [t]ghi-jjj\  
[&[t]klm-nnn&..] : : [<tc>][, <sc>][, NAM]: [RDLD]\  
[, {CUS|INCL}]: [{NTR|LPD|CONV}]: [NORM];  
CONN-BDCST-T0: : uv-m-np-ddd[&&-eee], wx-k-qr-jjj\  
[&ed-h-fg-nnn&..] : : [<tc>][, <sc>][, NAM]: [RDLD]\  
[, {CUS|INCL}]: [{NTR|LPD|CONV}]: [NORM];
```

[I.13002] Broadcast Cross-Connection

```
CONN-BDCST-T0: : [s]abc-ddd[&&-eee], [t]ghi-jjj\  
[&&-kkk] : : [<tc>][, <sc>][, NAM]: [RDLD][, {CUS|INCL}]:\  
[{NTR|LPD|CONV}]: [NORM];  
CONN-BDCST-T0: : uv-m-np-ddd[&&-eee], wx-k-qr-jjj\  
[&&-kkk] : : [<tc>][, <sc>][, NAM]: [RDLD][, {CUS|INCL}]:\  
[{NTR|LPD|CONV}]: [NORM];
```

[l.13011] Broadcast Cross-Connection

```
CONN-BDCST-T1::[s]abc,[u]ghi[&[v]jkl][&[t]mno][...]:\
[RDLD][,{CUS|INCL}]:[{NTR|LPD|CONV}];
CONN-BDCST-T1::uv-m-np,wx-k-qr[&ed-f-hg][&st-m-no]\
[...]:[RDLD][,{CUS|INCL}]:[{NTR|LPD|CONV}];
```

[l.13021] Broadcast Cross-Connection

```
CONN-BDCST-T1::[s]abc,[t]def::[RDLD][,{CUS|INCL}]:\
[{NTR|LPD|CONV}];
CONN-BDCST-T1::uv-m-np,wx-k-qr::[RDLD][,{CUS|INCL}]:\
[{NTR|LPD|CONV}];
```

[l.11101] One Way Cross-Connections

```
CONN-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj\
[&&-kkk]:[<tc>][,<sc>][,NAM]:[RDLD][,{CUS|INCL}]:\
[{NORM|TERM}]:[PRIOUT];
CONN-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj\
[&&-kkk]:[<tc>][,<sc>][,NAM]:[RDLD][,{CUS|INCL}]:\
[{NORM|TERM}]:[PRIOUT];
```

[l.11121] One Way Cross-Connections

```
CONN-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj[&&-kkk]:\
[<tc>][,NAM]:[RDLD][,{CUS|INCL}]:fmd,tmd:[{NORM|TERM}];
CONN-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj[&&-kkk]:\
[<tc>][,NAM]:[RDLD][,{CUS|INCL}]:fmd,tmd:[{NORM|TERM}];
```

[l.11131] One-Way Non-Channelized Digital Signal Cross Connect

```
CONN-CRS1-T1::[s]abc,[t]ghi::[RDLD][,{CUS|INCL}]:\
[{NORM|TERM}]:[PRIOUT];
CONN-CRS1-T1::uv-m-np,wx-k-qr::[RDLD][,{CUS|INCL}]:\
[{NORM|TERM}]:[PRIOUT];
```

[I.11041] Two-Way C-Bit Cross-Connects

Note: The comma in front of RDLD or INCL cannot follow the colon as implied by the message representation below. The comma is used when necessary to separate the three keywords CUS, RDLD, and INCL. If there is no keyword between the colon and RDLD or INCL then the comma may be omitted.

```
CONN-CRS-T0 : [s]abc, CB : [CUS][, RDLD][, INCL];
CONN-CRS-T0 : uv-m-np, CB : [CUS][, RDLD][, INCL];
```

[I.11001] Two-Way Cross-Connection

```
CONN-CRS-T0 : [s]abc-ddd[&&-eee], [t]ghi-jjj[&&-kkk]::\
[<tc>][, <sc>][, NAM] : [RDLD][, {CUS|INCL}]::\
[{NORM, NORM|TERM, TERM}] : [PRIOUT];
CONN-CRS-T0 : uv-m-np-ddd[&&-eee], wx-k-qr-jjj[&&-kkk]::\
[<tc>][, <sc>][, NAM] : [RDLD][, {CUS|INCL}]::\
[{NORM, NORM|TERM, TERM}] : [PRIOUT];
```

[I.11021] Two-Way Cross-Connect From, To Multipoint Mode

```
CONN-CRS-T0 : [s]abc-ddd[&&-eee], [t]ghi-jjj[&&-kkk]::\
[<tc>][, NAM] : [RDLD][, {CUS|INCL}] : fmd, tmd : [NTR-m] : \
[{NORM, NORM|TERM, TERM}];
CONN-CRS-T0 : uv-m-np-ddd[&&-eee], wx-k-qr-jjj[&&-kkk]::\
[<tc>][, NAM] : [RDLD][, {CUS|INCL}] : fmd, tmd : [NTR-m] : \
[{NORM, NORM|TERM, TERM}];
```

[I.11051] Two-Way Cross-Connections

```
CONN-CRS-T0 : [s]abc-ddd, [t]ghi-jjj::\
[{PFW-abcdefg&ijklmno|NFW}] : [{NORM, NORM|TERM, TERM}];
CONN-CRS-T0 : uv-m-np-ddd, wx-k-qr-jjj::\
[{PFW-abcdefg&ijklmno|NFW}] : [{NORM, NORM|TERM, TERM}];
```

[l.11011] Two-Way Non-Channelized Digital Signal Cross-Connection

CONN-CRS-T1::abc,ghi::[RDLD][,{CUS|INCL}]:
[{NORM,NORM|TERM,TERM}]:[PRIOUT];
CONN-CRS-T1::uv-m-np,wx-k-qr::[RDLD][,{CUS|INCL}]:
[{NORM,NORM|TERM,TERM}]:[PRIOUT];

[l.15201] Broadcast Disconnections

DISC-BDCST-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj[&&-kkk]:
[INCL]:[OOS][,DCC][,CONV];
DISC-BDCST-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj[&&-kkk]:
[INCL]:[OOS][,DCC][,CONV];

[l.15211] Broadcast Disconnection

DISC-BDCST-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj[&[u]
k1m-nnn&...]:[INCL]:[OOS][,DCC][,CONV];
DISC-BDCST-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj
[&ed-h-fg-nnn&...]:[INCL]:[OOS][,DCC][,CONV];

[l.15221] Broadcast Disconnect

DISC-BDCST-T1::[s]abc,[t]ghi[&[u]jkl][&[v]mno]
[...]:[INCL]:[OOS][,CONV];
DISC-BDCST-T1::uv-m-np,wx-k-qr[&ed-h-fg][&op-q-rs]
[...]:[INCL]:[OOS][,CONV];

[l.15231] Broadcast Disconnection

DISC-BDCST-T1::[s]abc,[t]ghi::[INCL]:[OOS][,CONV];
DISC-BDCST-T1::uv-m-np,wx-k-qr::[INCL]:[OOS][,CONV];

[I.15102] One-Way Multipoint Disconnections

DISC-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj[&&-kkk]::
[INCL]:[00S][,DCC];
DISC-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj[&&-kkk]::
[INCL]:[00S][,DCC];

[I.15101] One-Way Disconnect

DISC-CRS1-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj[&&-kkk]::
[INCL]:[00S][,DCC]:[PRIOUT];
DISC-CRS1-T0::uv-m-np-ddd[&&-eee],wx-k-qr-jjj[&&-kkk]::
[INCL]:[00S][,DCC]:[PRIOUT];

[I.15111] One-Way Disconnect

DISC-CRS1-T1::[s]abc,[t]ghi::[INCL]:[00S]:[PRIOUT];
DISC-CRS1-T1::uv-m-np,wx-k-qr::[INCL]:[00S]:[PRIOUT];

[I.15004] Disconnect NPC TS16 and C-Bit Type NPC

DISC-CRS-T0::[s]abc,CB:ww:[INCL][,00S];
DISC-CRS-T0::uv-m-np,CB:ww:[INCL][,00S];

[I.15002] Two-Way Disconnections

DISC-CRS-T0::[s]abc-ddd,[t]ghi-jjj::[INCL]:[DCC][,00S];
DISC-CRS-T0::uv-m-np-ddd,wx-k-qr-jjj::[INCL]:[DCC][,00S];

[I.15001] Disconnections, Cross-Connect Circuits

DISC-CRS-T0 : [s]abc-ddd[&&-eee], [s]ghi-jjj[&&-kkk]::\
[INCL]: [OOS][, DCC]: [PRIOUT];

DISC-CRS-T0 : uv-m-np-ddd[&&-eee], wx-k-qr-jjj[&&-kkk]::\
[INCL]: [OOS][, DCC]: [PRIOUT];

[I.15011] Two-Way Disconnection

DISC-CRS-T1 : [s]abc, [t]ghi:: [INCL]: [OOS]: [PRIOUT];

DISC-CRS-T1 : uv-m-np, wx-k-qr:: [INCL]: [OOS]: [PRIOUT];

Macro and Map Commands

5

[I.39311] Stop Macro

ABT-PROC:::[1[mm]];

[I.19051] Delete Lines From Macro

DELETE[:::<starting line>|END][-<ending line>|END]::];

[I.37201] Delete Macro

DLT-{MACRO|MAP}:::<macro name>|<map name>}:<user id>;

[I.37001] Edit Delete Map

**ED-DLT-MAP::NPC-{[s]abc&&-[s]def|[s]\
abc[&-[s]ghi]....[&-[t]def]};**

**ED-DLT-MAP::NPC-{uv-m-np&&&-wx-k-qr|uv-m-np\
[&-ab-c-de]....[&-wx-k-qr]};**

[I.19001] Create or Edit A Macro Or Map

ED-{MACRO|MAP}::::{<macro name>|<map name>;}

[I.38501] Change Macro Space

ED-PRMTR-{MACRO|MAP}::::sss;

[I.19031] Create Picture Alternate Map

ED-PRMTR-MAP::::<new map name>,<reference map name>;

[I.39301] Execute Macro

EXC-MACRO::::<macro name>:[<p1>[&<p2>[&<p3>[&...[&<p10>]]]]];

[I.39201] Activate Alternate Maps

EXC-MAP::::<map name>:[CLR][,INCL];

[I.19071] Query Line Number

LINE;

[I.19061] List Macro Contents

LIST[:::<starting line>|END][-<ending line>|END]::];

[I.19091] Move Macro Lines

**MOVE:::<starting line>|END][-<ending line>|END]],\
{<destination line>|END};**

[I.19081] Save Component Commands

SAVE;

Roll Commands

6

[I.14021] DS0 Circuit Roll - Bridge Command

```
SW-BDCST-T0::[s]abc-ddd[&&-eee],\  
[t]ghi-jjj[&&-kkk]::[INCL];  
SW-BDCST-T0::uv-m-np-ddd[&&&-eee],wx-k-qr-jjj\  
[&&&-kkk]::[INCL];
```

[I.14061] Facility Roll - Bridge Command

```
SW-BDCST-T1::[s]abc,[t]ghi::[INCL];  
SW-BDCST-T1::uv-m-np,wx-k-qr::[INCL];
```

[I.14041] DS0 Circuit Roll - Disconnect Command

```
SW-DISC-T0::[s]abc-ddd[&&-eee]::[OOS];  
SW-DISC-T0::uv-m-np-ddd[&&&-eee]::[OOS];
```

[I.14081] Facility Roll - Disconnect Command

```
SW-DISC-T1::[s]abc::[OOS];  
SW-DISC-T1::uv-m-np::[OOS];
```

[I.35001] Configure Digroup Circuits

SW-DX-EQPT::XC-s::[INCL];

[I.14031] DS0 Circuit Roll- Roll Command

SW-ROLL-T0::[s]abc-ddd[&&-eee],[t]ghi-jjj[&&-kkk]::
[INCL]:[FRC]:[OOS];

SW-ROLL-T0::uv-m-np-ddd[&&&-eee],wx-k-qr-jjj[&&&-kkk]:
[INCL]:[FRC]:[OOS];

[I.14071] Facility Roll - Roll Command

SW-ROLL-T1::[s]abc,[t]ghi::[INCL]:[FRC]:[OOS]:[TWAY];

SW-ROLL-T1::uv-m-np,wx-k-qr::[INCL]:[FRC]:[OOS]:[TWAY];

Change Commands

7

[I.18001] Change Circuit Parameters

CHG-RPATH-T0::[s]abc-ddd[&[t]ghi-jjj&
[u]klm-nnn&...]::[INCL];

CHG-RPATH-T0::uv-m-np-ddd[&wx-k-qr-jjj&
ed-h-fg-nnn&...]::[INCL];

[I.18011] Change Switch, TOX

CHG-RPATH-T1::[s]ghi[&[t]jkl][&[v]mno][...]::[INCL];

CHG-RPATH-T1::uv-m-np[&wx-k-qr][&ed-h-fg][...]::[INCL];

[I.38101] Change Connectivity

ED-CNFGRN-EQPT::UNIT-q::a[,b[,c[,d[,e[,f]]]]];

[I.38201] Change/Set Options

ED-OPT-T1::NPC::{TYPE-mn|ALL}:rr:a,b,c;

[I.38221] Change NPC Options

ED-PRMTR-EQPT::NPC-[s]abc::[rr/m[&rr/m][...]|hhh};
ED-PRMTR-EQPT::NPC-uv-m-np::[rr/m[&rr/m][...]|hhh};

[I.38281] Change NPC AIS Alarm Option

ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]ghi]::ALMOPT:
AIS-{MI|PMA|DMA|PMC}[,LEV-s];
ED-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::
ALMOPT:AIS-{MI|PMA|DMA|PMC}[,LEV-s];

[I.38211] Change NPC Type

ED-PRMTR-EQPT::NPC-[s]abc::mnxyz:[IW-X-pq[r]];
ED-PRMTR-EQPT::NPC-uv-m-np::mnxyz:[IW-X-pq[r]];

[I.38341] Change NPC Loopback

ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::LPBK-[d]t;
ED-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::LPBK-[d]t;

[I.38324] Change NPC Non Frame-Word Setting

ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::NFS-abcdefghi;
ED-PRMTR-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::NFS-abcdefghi;

[I.38321] Change NPC Time Slot Zero

ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::TS0-abcdefgh;
ED-PRMTR-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::TS0-abcdefgh;

[I.38323] Change Time Slot Zero Monitor

ED-PRMTR-EQPT::NPC-[s]abc[&&-[t]def]::TS0M-abcdefgh;
ED-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::TS0M-abcdefgh;

[I.35013] Configure Synchronizer

ED-PRMTR-EQPT::SYNC:: {MASTER|SLAVED};

[I.35012] Configure Synchronizer Stratum

ED-PRMTR-EQPT::SYNC:: {STR2|STR3|TOLL|LOCAL};

[I.38011] Change Priorities and/or Type, Synchronizer or NPC

ED-PRMTR-EQPT::SYNC:: TLI-m:SSP-b: {texyz|NPC-[0]abc};

ED-PRMTR-EQPT::SYNC:: TLI-m:SSP-b: {texyz|NPC-uv-m-np};

ED-PRMTR-EQPT::SYNC:: SRC-i/a, b [&j/c, d [&k/e, f [&l/g, h]]];

[I.38231] Change Type, Options

ED-PRMTR-EQPT::TYPE-mnxyz:: {rr/m [&rr/m] [...] |hhh};

[I.38291] Change Type and Threshold Mode

ED-PRMTR-EQPT::TYPE-mn:: hhh;

[I.17001] Change Cross-Connect Termination Status

**ED-PRMTR-T0:: [s]abc-ddd [&&-eee], [t]ghi-jjj [&&-kkk]:: **

[INCL]: {TERM|RLS}{F|T|B|L|G|A}: [NOT-[u]rst-vvv];

**ED-PRMTR-T0:: uv-m-np-ddd [&&-eee], wx-k-qr-jjj [&&-kkk]:: **

[INCL]: {TERM|RLS}{F|T|B|L|G|A}: [NOT-ed-h-fg-vvv];

[I.17002] Change Circuit Parameters

**ED-PRMTR-T0::[s]abc-ddd,[t]ghi-jjj::[INCL]:\
[TLP-snn-smm,NG-nn,ES-ee];**

**ED-PRMTR-T0::uv-m-np-ddd,wx-k-qr-jjj::[INCL]:\
[TLP-snn-smm,NG-nn,ES-ee];**

[I.17011] Change Circuit Parameters

**ED-PRMTR-T1::[s]abc,[t]ghi::[INCL]:{TERM|RLS}\
{F|T|B|A}: [NOT-[u]rst];**

**ED-PRMTR-T1::uv-m-np,wx-k-qr::[INCL]:{TERM|RLS}\
{F|T|B|A}: [NOT-ed-h-fg];**

Remove Commands

8

[I.33231] Remove TSI (Non-CEF Only)

RMV-CNFGRN-EQPT::UNIT-q::CCN-s, TSIS:
[(a[, b[, c[, d[, e[, f]]]]]]]);

[I.33202] Remove Cross-Connect Buffer (Non-CEF Only)

RMV-EQPT::CCB-sf;

[I.33251] Remove Clock Control Interface

RMV-EQPT::CCI-s;

[I.33201] Remove Cross-Connect Network Interface

RMV-EQPT::CCNI-s;

[I.33241] Remove TSI (Non-CEF Only)

RMV-EQPT::CCN-s, TSIS;

[I.33261] Remove ETSI

RMV-EQPT::ETSI-sqq;

[I.33271] Remove ETSIs All

RMV-EQPT::ETSI-s, ECCN-s;

[I.33011] Remove Link

RMV-EQPT::LINK-j;

[I.33001] Remove Main Controller

RMV-EQPT::MC;

[I.33351] Remove NPCs

RMV-EQPT::NPC-[s]abc[&&- [t]def]::[SIDE-s]:[INCL];

RMV-EQPT::NPC-uv-m-np[&&&-uv-k-qr]::[SIDE-s]:[INCL];

[I.33211] Remove PMEM or SMEM

RMV-EQPT:: {PMEM|SMEM};

[I.33101] Remove Synchronizer

RMV-EQPT::SYNC-a;

[I.33121] Remove Synchronizer's TLI or SSP

RMV-EQPT::SYNC-a::TLI-m:[SSP-b];

[I.33111] Remove Synchronizer Time Base as a Clock
Reference Oscillator

RMV-EQPT::TLI-3::CRO;

[I.33221] Remove Time Slot Interchange

RMV-EQPT::TSI-sft;

[I.33331] Remove Unit Format Converter

RMV-EQPT::UNIT-[q]q::FC-sb;

[I.33321] Remove FTMI or DSPI

RMV-EQPT::UNIT-[q]q::{FTMI-d|DSPI};

[I.33311] Remove Unit Controller

RMV-EQPT::UNIT-[q]q::UC;

Restore Commands

9

[I.34231] Restore TSI (Non-CEF Only)

**RST-CNFGRN-EQPT: :UNIT-q: :CCN-s, TSIS: **
[[a[, b[, c[, d[, e[, f]]]]]]];

[I.34202] Restore Cross-Connect Buffer

RST-EQPT: :CCB-sf;

[I.34251] Restore Control and Clock Interface

RST-EQPT: :CCI-s;

[I.34201] Restore Cross-Connect Network Interface

RST-EQPT: :CCNI-s;

[I.34261] Restore Expanded Time Slot Interchanger

RST-EQPT: :ETSI-sqq;

[I.34271] Restore All ETSIs
RST-EQPT : : ETSIS, ECCN - s ;

[I.34011] Restore Administrative Link
RST-EQPT : : LINK - j ;

[I.34001] Restore Main Controller

For Normal Operations:

RST-EQPT : : MC : : [{ MCOND | NOJRNL | FRC }] ;

For Installation and Product Evaluation Only: (Can be used only if the AT&T security warning feature bit is set)

RST-EQPT : : MC : : CLR [, ALL] ;

[I.34361] Restore NPC Monitor
RST-EQPT : : NPC - [s] abc : : MON ;
RST-EQPT : : NPC - uv - m - np : : MON ;

[I.34351] Restore NPCs
RST-EQPT : : NPC - [s] abc [&& - [t] def] : : [SIDE - s] ;
RST-EQPT : : NPC - uv - m - np [&&& - uv - k - qr] : : [SIDE - s] ;

[I.34371] Restore NPC Time Slot 0 Monitor
RST-EQPT : : NPC - [s] abc : : TS0M ;
RST-EQPT : : NPC - uv - m - np : : TS0M ;

[I.34211] Restore PMEM and/or SMEM
RST-EQPT : : { PMEM | SMEM } : : [CLR] : [FRC] : [BKGRND] ;

[I.34101] Restore Synchronizer

RST-EQPT::SYNC-a;

[I.34121] Restore Synchronizer's Timing Link Interface

RST-EQPT::SYNC-a::TLI-m:[SSP-b];

[I.34111] Restore Clock Reference Oscillator

RST-EQPT::TLI-3::CRO;

[I.34221] Restore Time Slot Interchange

RST-EQPT::TSI-sft;

[I.34241] Restore Time Slot Interchanges

RST-EQPT::TSIS,CCN-s;

[I.34331] Restore Unit

RST-EQPT::UNIT-[q]q::FC-sb;

[I.34321] Restore FTMI or DSPI

RST-EQPT::UNIT-[q]q::{FTMI-d|DSPI};

[I.34311] Restore Unit Controller

RST-EQPT::UNIT-[q]q::UC;

C-Bit Processing Commands

10

[I.38335] Change Bit-C-Off To

ED-PRMTR-EQPT : : [s]abc-ddd[&&-eee] : : BCOFF;
ED-PRMTR-EQPT : : uv-m-np-ddd[&&-eee] : : BCOFF;

[I.38333] Change Bit-C To

ED-PRMTR-EQPT : : [s]abc-ddd[&&-eee] : : BC-X-abcd;
ED-PRMTR-EQPT : : uv-m-np-ddd[&&-eee] : : BC-X-abcd;

[I.38331] Change Director DACS To

ED-PRMTR-EQPT : : [s]abc-ddd[&&-eee] : : DD-m,w;
ED-PRMTR-EQPT : : uv-m-np-ddd[&&-eee] : : DD-m,w;

Test Access Commands

11

[I.20101] Non-Channelized Test, Monitor, Split, Loop

CHG-ACCMD-T1::[s]abc[&[t]def]::<tmode>:[AIS]:[INCL];
CHG-ACCMD-T1::uv-m-np[&wx-k-qr]::<tmode>:[AIS]:[INCL];

[I.21011] Two-Way Test Access Monitor Test Port

CHG-TACC-T0:::kk:MON;

[I.23001] Two-Way Test Access

CHG-TACC-T0:::kk:SPLT;

[I.21031] Nx64 kbit/s Two-Way Test Access, Monitor

CHG-TACC-T0:::TG-mmm:MON;

[I.23021] Nx64 kbit/s Two-Way Test Access, Split

CHG-TACC-T0:::TG-mmm:SPLT;

[I.20111] Non-Channelized Test FAD, Emode, Fmode

CHG-TACC-T1::[s]abc[&[t]def]:::[<emode>][,<fmode>]:::
[INCL];
CHG-TACC-T1::uv-m-np[&wx-k-qr]:::[<emode>][,<fmode>]:::
[INCL];

[I.25101] Two-Way Test Access

CHG-TL-T0:::kk:TERM{F|T|B|L|G|A}:[NOT-[t]rst-vvv];
CHG-TL-T0:::kk:TERM{F|T|B|L|G|A}:[NOT-uv-m-np-vvv];

[I.25121] Nx64 kbit/s Two-Way Test Access,
 Terminate-And-Leave-Active

CHG-TL-T0:::TG-mmm:TERM{F|T|B};

[I.24001] Two-Way Test Access, Hub

CONN-HUB-T0::[t]ghi-jjj::kk:[<tc>]:[NAM];
CONN-HUB-T0::uv-m-np-jjj::kk:[<tc>]:[NAM];

[I.24021] Nx64 kbit/s Two-Way Test Access, Hub

CONN-HUB-T0::[s]abc-ddd,[t]ghi-jjj::TG-mmm:[<tc>];
CONN-HUB-T0::uv-m-np-ddd,wx-k-qr-jjj::TG-mmm:[<tc>];

[I.20031] Non-Channelized Test Hub

CONN-HUB-T1::[s]abc,[t]jkl::[INCL];
CONN-HUB-T1::uv-m-np,wx-k-qr::[INCL];

[I.21001] Two-Way Test Access, Monitor

CONN-TACC-T0::[t]ghi-jjj::kk:[<tc>][,<NAM>]:MON;
CONN-TACC-T0::uv-m-np-jjj::kk:[<tc>][,<NAM>]:MON;

[I.21021] Nx64 kbit/s Two-Way Test Access, Monitor

CONN-TACC-T0::[t]ghi-jjj[&&-kkk][&-lll&...]::\

TG-mmm: [<tc>]:MON;

CONN-TACC-T0::wx-k-qr-jjj[&&-kkk][&-lll&...]::\

TG-mmm: [<tc>]:MON;

[I.20001] Non-Channelized Test Access (Monitor, Split, or Loop)

CONN-TACC-T1::[s]abc[&[t]def],[u]ghi[, [v]jkl]::\

<tmode>:[AIS]:[INCL];

CONN-TACC-T1::uv-m-np[&wx-k-qr],eg-h-ij[,jk-l-mn]::\

<tmode>:[AIS]:[INCL];

[I.27001] Two-Way Test Access

DISC-TACC-T0:::kk:[OOS];

[I.25501] Two-Way Test Access

DISC-TACC-T0:::kk:RLS{F|T|B|L|G|A}: [NOT-[t]rst-vvv];

DISC-TACC-T0:::kk:RLS{F|T|B|L|G|A}: [NOT-uv-m-np-vvv];

[I.27021] Nx64 kbit/s Two-Way Test Access,
Test-Access Group Release

DISC-TACC-T0:::TG-mmm[&&-nnn]: [OOS];

[I.25521] Nx64 kbit/s Two-Way Test Access,
Terminate-And-Leave-Release

DISC-TACC-T0:::TG-mmm:RLS{F|T|B};

[I.20202] Non-Channelized Test NPC Release

DISC-TACC-T1:::ALL:[OOS];

[I.20201] Non-Channelized Test NPC Release

DISC-TACC-T1::[s]abc[&[t]def]::[00S];
DISC-TACC-T1::uv-m-np[&wx-k-qr]::[00S];

[I.29001] Looped Test Access

OPR-LPBK-T0:::kk:<tc>;

[I.29021] Nx64 kbit/s Looped Test Access

OPR-LPBK-T0:::TG-mmm:[<tc>;

[I.20301] Non-Channelized Loop Test Access Facility

OPR-LPBK-T1::[s]abc::LPBKT:[INCL];
OPR-LPBK-T1::uv-m-np::LPBKT:[INCL];

Troubleshooting Commands

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[I.41211] Diagnose Cross-Connect Buffer

DGN-EQPT::CCB-sf::[CFT-X-vwxy];

[I.41251] Diagnostics, CCI and BT Packs

DGN-EQPT::CCI-s::[CFT-X-vwxy];

[I.41201] Diagnose CCNI

DGN-EQPT::CCNI-s::[CFT-X-vwxy];

[I.41031] Diagnose Communications Interface

DGN-EQPT::CI::[CFT-X-vwxy];

[I.41261] Diagnose ETSI

DGN-EQPT::ETSI-sqq::[CFT-X-vwxy];

[I.41271] Diagnose ETSI

DGN-EQPT::ETSI::ECCN-s:ALL;

[I.41011] Diagnose Link

DGN-EQPT::LINK-a::[CFT-X-vwxy];

[I.41001] Diagnose Main Controller

DGN-EQPT::MC::[CFT-X-vwxy];

[I.41021] Diagnose Main Processor

DGN-EQPT::MP::[CFT-X-vwxy];

[I.41351] Diagnose NPC

DGN-EQPT::NPC-[s]abc::[SIDE-s]:[CFT-X-vwxy];

DGN-EQPT::NPC-uv-m-np::[SIDE-s]:[CFT-X-vwxy];

[I.41361] Diagnose Network Processing Circuits

DGN-EQPT::NPC-[s]abc&&-[t]def;

DGN-EQPT::NPC-uv-m-np&&&-uv-k-qr;

[I.41051] Diagnose Memory Card

DGN-EQPT::{PMEM|SMEM}::[{CFT-X-vwxy|PROG|DBASE}]:[VERIFY];

[I.41101] Diagnose Synchronizer

DGN-EQPT::SYNC-a;

[I.41111] Diagnose Synchronizer

DGN-EQPT::SYNC::TLI-3:CRO;

[I.41121] Diagnose Synchronizer Timing Link Interface

DGN-EQPT::SYNC-a::TLI-m:[SSP-b];

[I.41241] Diagnose Time Slot Interchanges

DGN-EQPT::TSI::CCN-s:ALL;

[I.41232] Diagnose Time Slot Interchanges

DGN-EQPT::TSI::CCN-s:UNIT-q:[a[,b[,c[,d[,e[,f]]]]]]];

[I.41221] Diagnose Time Slot Interchange

DGN-EQPT::TSI-sft::[CFT-X-vwxy];

[I.41341] Diagnose DSPU

DGN-EQPT::UNIT-[q]q::DSPI:[CFT-X-vwxy];

[I.41331] Diagnose Format Converter

DGN-EQPT::UNIT-[q]q::FC-sb:[CFT-X-vwxy];

[I.41321] Diagnose Facility Terminating Module Interface

DGN-EQPT::UNIT-[q]q::FTMI-d:[CFT-X-vwxy];

[I.41311] Diagnose Unit On UC

DGN-EQPT::UNIT-[q]q::UC:[CFT-X-vwxy];

[I.56052] Clear Power Supply or Backup Failure

INIT-REG::PWR-pp;

[I.51081] Utility, Recovery Password

RST-PASSWD;

[I.53111] Utility Query Alarms

RTRV-ALM-EQPT:<xy>;

[I.53151] Utility Query Alarms

RTRV-ALM-EQPT::::DBASE;

[I.81001] Query Facility Alarms

RTRV-ALM-EQPT::NPC:: {CFA|CGA};

[I.52111] Utility Query Broadcast

RTRV-BDCST-T0:: [s]abc-ddd;

RTRV-BDCST-T0::uv-m-np-ddd;

[I.52101] Query Broadcast All

RTRV-BDCST-T0::::ALL;

[I.52121] Utility Query Broadcast From

RTRV-BDCST-T1:: [s]abc::FROM;

RTRV-BDCST-T1::uv-m-np::FROM;

[I.53031] Utility Query, Equipment Connectivity

RTRV-CNFGRN-EQPT::UNIT::EQPD;

[I.52011] Query Partial Cross-Connect Map

RTRV-CRS-T1::[s]abc[&&[t]def]::MAP;
RTRV-CRS-T1::uv-m-np[&&&wx-k-qr]::MAP;

[I.52031] Query Full Cross-Connect Map

RTRV-CRS-T1::NPC::MAP;

[I.51121] Query Feature Package

RTRV-FPKG-NE;

[I.51031] Query Date

RTRV-HDR;

[I.51041] Utility Query Who

RTRV-HDR-NE;

[I.56401] Utility Location

RTRV-LOC-EQPT::<entity>::[<arg>];

[I.55011] Query Software/Hardware Error Recovery

RTRV-LOG:::ERR:{SWER|HWER}[,{INT-mn|[DATE-[ce]yr-mo-da,]
TOD-hr-mn-sc}][, TN-X-dddd][, EVENT-X-eeee]
[, ERCL-{HARD|TRANS|APPINT}][, ENTY-<entity>];

[I.54121] Utility Query Macro

RTRV-MACRO::::<name>:[<user id>];

[I.54131] Utility Query List Macro

RTRV-MACRO-COM:::<macro name>:[<user id>;

[I.54101] Utility Query List Map

RTRV-MAP-COM:::<name>:[<user id>;

[I.54111] Utility Query NPC Map

RTRV-MAP-EQPT::NPC::<name>:[<user id>;

[I.51001] Retrieve Memory Status

RTRV-MEMSTAT;

[I.53051] Utility Query Options NPCs

RTRV-OPT-T1::NPC::[{mn|ALL}];

[I.56041] Query Network Processing Circuit Parameter

RTRV-PRMTR-EQPT::[NPC-[s]abc[&&-[t]def]]::<parameter>;

RTRV-PRMTR-EQPT::[NPC-uv-m-np[&&&-wx-k-qr]]::<parameter>;

[I.56031] Utility Query All

RTRV-PRMTR-EQPT::NPC::<parameter>:ALL;

[I.56021] Utility Query, Alarm Option, AIS

RTRV-PRMTR-EQPT::NPC-[s]abc[&&-[v]ghi]]::ALMOPT:AIS;

RTRV-PRMTR-EQPT::NPC-uv-m-np[&&&-wx-k-qr]]::ALMOPT:AIS;

[I.55113] Query Link Status and Protocol

RTRV-PRMTR-LINK::j[mm[&&jnn]];

[I.54211] Query Macro Attributes

RTRV-PRMTR-MACRO:::ATTR:[{<user id>|ALL}];

[I.54221] Utility Query Macro/Map Space

RTRV-PRMTR-{MACRO|MAP}:::SPACE:[{<user id>|ALL|SYSTEM}];

[I.54201] Utility Query Map

RTRV-PRMTR-MAP:::ATTR:[{ALL|<user id>|<name>}];

Note: Only the DACS II frame administrator can use the ALL option.

[I.51091] Utility Query Configure

RTRV-PRMTR-NE;

[I.51131] Utility Query Sequence

RTRV-PRMTR-SQN;

[I.52051] Utility Query From

RTRV-PRMTR-T0::[s]abc-ddd[&&-eee]::FROM;

RTRV-PRMTR-T0::uv-m-np-ddd[&&-eee]::FROM;

[I.52211] Query Channel Marks

RTRV-PRMTR-T0::[s]abc-jjj[&&-kkk]::MARK;

RTRV-PRMTR-T0::uv-m-np-jjj[&&-kkk]::MARK;

[I.52601] Query Trunk Signaling Conversion State

RTRV-PRMTR-T0 : : abc-ddd : : SIGST ;
RTRV-PRMTR-T0 : : uv-m-np-ddd : : SIGST ;

[I.52041] Query Destination Cross-Connect

RTRV-PRMTR-T0 : : [s]abc-ddd[&&-eee] : : T0 ;
RTRV-PRMTR-T0 : : uv-m-np-ddd[&&-eee] : : T0 ;

[I.52071] Utility Query From

RTRV-PRMTR-T1 : : [s]abc : : FROM ;
RTRV-PRMTR-T1 : : uv-m-np : : FROM ;

[I.52201] Utility Query Markings

RTRV-PRMTR-T1 : : [s]abc[&&- [t]def] : : MARK ;
RTRV-PRMTR-T1 : : uv-m-np[&&&-wx-k-qr] : : MARK ;

[I.52061] Non-Channelized Utility Query To

RTRV-PRMTR-T1 : : [s]abc : : T0 ;
RTRV-PRMTR-T1 : : uv-m-np : : T0 ;

[I.54001] Query User/Link Screening Option

RTRV-PRVG-{TERM|USER} : : : : {j[mm][&&jnn]|<user id>|ALL} ;

[I.54011] Query Log

RTRV-PRVG-USER : : LOG : : [ALL] ;

[I.55401] Utility Query Error Source Register

RTRV-REG-EQPT : : CCN-a : : ESR ;

[I.55411] Query ECCN Error Source Register

RTRV-REG-EQPT : :ECCN-s : :ESR;

[I.55111] Query Error Source Register Main Processor

RTRV-REG-EQPT : :MP : :ESR;

[I.55601] Utility Query ESR for FTU or Subrate NPC

RTRV-REG-EQPT : :NPC-[s]abc : :[SIDE-s] : ESR;

RTRV-REG-EQPT : :NPC-uv-m-np : :[SIDE-s] : ESR;

[I.55201] Utility Query, Synchronizer

RTRV-REG-EQPT : :SYNC-a : :STR;

[I.55321] Utility Query SSP

RTRV-REG-EQPT : :SYNC-a : :TLI-m:SSP-b:STR;

[I.55311] Utility Query, Timing Link Interface

RTRV-REG-EQPT : :SYNC-a : :TLI-m:STR;

[I.55531] Query Error Source Register

RTRV-REG-EQPT : :UNIT-[q]q : :DSPI:ESR;

[I.55501] Utility Query Error Source Register

RTRV-REG-EQPT : :UNIT-[q]q : :ESR;

[I.55521] Query Error Source Register

RTRV-REG-EQPT : :UNIT-[q]q : :FC-sb:ESR;

[I.55111] Query Error Source Register FTMI

RTRV-REG-EQPT::UNIT-[q]q::FTMI-d:ESR;

[I.55181] Query Cross-Connect Status Bus

RTRV-REG-EQPT::XCSB::[UNIT-[q]q];

[I.55191] Utility Query, Status Register

RTRV-REG-EQPT::XC-a::STR;

[I.52081] Utility Query Roll DS0

RTRV-ROLL-T0:: {NPC-[s]abc[&&- [t]def] | ALL[, UNIT-[q]q]};

RTRV-ROLL-T0:: {NPC-uv-m-np[&&&-wx-k-qr] | ALL[, UNIT-[q]q]};

[I.52091] Utility Query Roll DS1

RTRV-ROLL-T1:: {NPC-[s]abc[&&- [t]def] | ALL[, UNIT-[q]q]};

RTRV-ROLL-T1:: {NPC-uv-m-np[&&&-wx-k-qr] | ALL[, UNIT-[q]q]};

[I.53104] Query All Common Equipment

RTRV-STATE-COM:::ALL;

[I.53109] Utility Query Equipage, Common

RTRV-STATE-COM:::EQPD;

[I.53105] Utility Query Status Common Equipment

RTRV-STATE-COM::: {PEST|FAIL|OOS};

[I.54340] Utility Query State Alarm Cut Off

RTRV-STATE-EQPT:::ACO;

[I.56353] Utility Query Bit-C To

RTRV-STATE-EQPT : : [s]abc-ddd : : BC-s ;
RTRV-STATE-EQPT : : uv-m-np-ddd : : BC-s ;

[I.56341] Utility Query Director DACS II

RTRV-STATE-EQPT : : [s]abc-ddd[&&-fff] : : DD ;
RTRV-STATE-EQPT : : uv-m-np-ddd[&&-fff] : : DD ;

[I.53022] Utilities, ETSIs

RTRV-STATE-EQPT : : ETSI : : EQPD ;

[I.56311] Utility Query State

RTRV-STATE-EQPT : : NPC- [s]abc[&&- [t]def] ;
RTRV-STATE-EQPT : : NPC-uv-m-np[&&&-wx-k-qr] ;

[I.56314] Utility Query NPC State

RTRV-STATE-EQPT : : NPC- [s]abc[&&- [t]def] ;
RTRV-STATE-EQPT : : NPC-uv-m-np[&&&-wx-k-qr] ;

[I.56351] Query Bit-C NPC

RTRV-STATE-EQPT : : [NPC- [s]abc[&&- [t]def]] : : BC-s : [ALL] ;
RTRV-STATE-EQPT : : [NPC-uv-m-np[&&&-wx-k-qr]] : : BC-s : [ALL] ;

[I.56343] Utility Query Director DACS NPC

RTRV-STATE-EQPT : : {NPC- [s]abc[&&- [t]def]} : : DD | : : ALL : DDCT} ;
RTRV-STATE-EQPT : : {NPC-uv-m-np[&&&-wx-k-qr]} : : DD | : : ALL : DDCT} ;

[I.53041] Query Equipped NPCs

RTRV-STATE-EQPT : : NPC : : EQPD [, TOTAL] : [UNIT- [q]q] ;

[I.53131] Utility Query Loopback

RTRV-STATE-EQPT::NPC-[s]abc[&&- [t]def]::LPBK;
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::LPBK;

[I.56324] Query NPC Non Frame-Word Setting

RTRV-STATE-EQPT::NPC-[s]abc[&&- [t]def]::NFS;
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::NFS;

[I.56321] Query NPC Time Slot Zero

RTRV-STATE-EQPT::NPC-[s]abc[&&- [t]def]::TS0-s;
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::TS0-s;

[I.56323] Query Time Slot Zero Monitor

RTRV-STATE-EQPT::NPC-[s]abc[&&- [t]def]::TS0M;
RTRV-STATE-EQPT::NPC-uv-m-np[&&&-wx-k-qr]::TS0M;

[I.56301] Utility Query Synchronizer

RTRV-STATE-EQPT::SYNC;

[I.53001] Utility Query, Synchronizer

RTRV-STATE-EQPT::SYNC::EQPD;

[I.53021] Utility Query Equipped

RTRV-STATE-EQPT::TSI::EQPD;

[I.53101] Query All

RTRV-STATE-EQPT::[UNIT-[q]q]::ALL;

[I.53011] Utilities, Equipage Status

RTRV-STATE-EQPT::UNIT::EQPD;

[I.53108] Utility Query Entity Equipage

RTRV-STATE-EQPT::[UNIT-[q]q]::EQPD;

[I.53071] Utility Query Equalization, Impedance

RTRV-STATE-EQPT::UNIT-[q]q::FTMI-b;

[I.53103] Utility Query Status of Entities/Equipment

RTRV-STATE-EQPT::[UNIT-[q]q]::{PEST|FAIL|OOS};

[I.53091] Utility Query Test-Access Group NPC

RTRV-TACC-T0::NPCTG-rrr[&&-sss];

[I.53081] Utility Query Test-Access Group

RTRV-TACC-T0::TG-mmm[&&-nnn];

[I.53061] Utility Query, Test Ports

RTRV-TACC-T1;

Miscellaneous Commands

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[I.55711] Abort

ABT-CMD;

[I.19041] Append Component Command

APPEND[:::<line number>|END]::];

[I.31521] Copy NPC

COPY-EQPT::NPC-[s]abc,[t]def[&&-[u]ghi];

COPY-EQPT::NPC-uv-m-np,wx-k-qr[&&&-gh-i-kl];

[I.55701] Backup Memory Transfer

CPY-MEM:::::<from>,<to>:[PROG]:[INCL];

[I.37301] Delete Feature Package Identification

DLT-FPKG:::::nnnnnnnn;

[I.51021] Set Date

ED-DATE:::[ce]yr-mo-da:[INT-ii];
ED-DATE:::,hr-mn-sc;

[I.51111] Alarm Cutoff

OPR-ACO-ALL;

[I.51011] Set Daily Facility Alarm Reporting Time

SCHED-PMREPT-ALL:::[hr-mn-sc],{CFA|PRIM-X-ghij|MONDAT};

[I.58001] Utility Boot

STA-LOCL-RST:::PMEM:::[CLR];

[I.55731] Upgrade Frame

UPGRD-SYS;

Denial Codes

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mmmm *Explanation*

ENEQ CCB is not equipped
CCB not eqd, not IS, or failed or inactive side CCB not eqd or not IS
CPR is not equipped
Copy source NPC is not equipped
DSPI not equipped
DSPI not equipped, not in service, or failed
DSPI not in service or failed
DSPU is not equipped
Database corrupt
ETSI is not equipped
ETSI not equipped, not in service, or failed
FC not eqd, not IS, or failed or inactive side FC not eqd or not IS
FC not eqd, not IS, or failed or inactive side FC not eqd or not IS
FC not equipped
FTMI is not equipped
FTMI not equipped, not in service, or failed
MIU is not equipped
Mate NPC is not equipped
NPC is unequipped
NPC not equipped
NPC not provisioned as DGA
NPCTG not grown

mmmm *Explanation*

NPCTP is not grown
 No CBTYP NPC equipped
 No DSP unit equipped
 Not enough DSPPs are equipped
 Protection MIU is not equipped
 Protection entity is unequipped
 Req'd FMT not eqd, not IS, or failed, or inact side FMT not eqd, or not IS
 Required FLI not equipped, not in service, or failed
 Required MIU not equipped, not in service, or failed
 Required MXR not equipped, not in service, or failed
 SYNC TB is not equipped
 Service MXR is not equipped
 Subject entity is not equipped
 Sync source NPC is not equipped
 TSI not eqd, not IS, or failed or inactive side TSI not eqd or not IS
 The MXR is not grown
 The pair MXR is not equipped
 UNIT not equipped, not in service, or failed
 Unit is not equipped
 test group unequipped
 virtual SLC NPC not provisioned
ENFE Cross-connect not consistent with feature package
 Software does not contain Enhanced CEPT feature
 Subject NPC does not support CEPT BER feature
ENIE Option rr/m has not been set up on 2nd database
 Termination is not connected as indicated
 Two confs. were prev. connected or the concat. cause BRD-BBL loop
ENRE Corresponding NPC for FROM virtual channel is not provisioned
 Corresponding NPC for TO virtual channel is not provisioned
 Corresponding NPC for virtual channel is not provisioned
 FROM NPC is not provisioned as DGA
 Illegal connectivity specified
 NPC not provisioned for CAS
 NPC not provisioned for NSA
 Old_tape is a special install tape

mmmm *Explanation*

PMEM type no longer supported
 SMEM is a normal SMEM
 SSC circuit pack is still equipped; pull-out/remove SSC
 Subject entity is equipped
 TO NPC is not provisioned as DGA

ERLC Attempt to remove DGA w/o INCL keyword or prior prot. sw. request
 Customer control or red circuit exists

DGA protected; use INCL to remove, or unswitch protection

ICNV PM scheduling report is already allowed for this entity
 PM scheduling report is already inhibited for this entity
 TS0 is crossconnected to TS0

bit value not allowed for NPC type
 current error corrector pack type specified in command
 current hub id specified in command
 not allowed for clear 2MB

IDMS Both FAC and PRIM values(keywords) are required
 INCL keyword needed to perform this command
 INCL must be specified for SRDC ckts
 SIDE must be specified for substrate NPC
 Some priority values required
 Unspecified L2 address

IDNC FDL selected with width not 1
 Inconsistent or invalid circuit type for Nx64Kbit TA
 Old or new is a non-channelized type in a DS0 command
 One NPC is a non-channelized type and the other is not
 Some priority values not required
 TG width incompatible with circuit
 The two FADS entered are not associated with one another.
 incompatible HUB feature types
 inconsistent BCON width for test access
 inconsistent HUB width for specified TG
 invalid channel designation for BCON
 not all FROM channels on same NPC

IDNV A locally switched channel is specified as BBL, LEG, or BRD
 A substrate circuit pack is specified in the command line

mmmm *Explanation*

AIS entered for MONE/MONF/MONEF/SPLTA/SPLTB/SPLTAB
 AIS invalid for cross-connection specified
 AIS keyword incompatible with NPC type
 Adding two digroups from one bank on same DDC
 Alarm option and bank mode don't match
 All NPC(s) are either not valid or not grown
 Attempt to broadcast a locally switched channel
 Attempt to one way cross-connect a locally switched channel
 BER must not be less than 4 for Clear DS1
 Bad PRIM X'efgh values
 Bank id number not found
 CPR circuit pack specified in the command
 Can't Use LCN 0/LGN 0 - designated as a supervisory channel only
 Can't delete because not all associated NPCs of the RT are entered
 Command not allowed
 Conference first channel doesn't match input
 Conference port cannot be dropped out of conference by switch command
 Conference port is not in conference circuit
 Connectivity can not be specified for CEF unit
 Counting sequence and operational mode don't match
 Cross-connect a non Mode I channel to DCLU
 Cross-connect a non SLC channel to DCLU
 DGA and DGB must be specified together in the command
 DGA with NDL option is not provisioned with D4 or ESF framing format
 DGA/DGP of RT/DL Mode I must be assigned to one DDC
 DGC and DGD must be specified together in the command
 DGP designated to bank without data link
 Digroup name and bank id don't match
 Digroups from same bank are added to two different FTUs
 Digroups from same bank have different counting sequence
 Digroups from same bank have different modes
 Duplicate L2 address
 Duplicate ports specified
 ENQ/ACK flow control is supported only on Snider link
 Error in input

mmmm *Explanation*

Framing format, digroup name & operational mode don't match
 INCL not specified and at least one NPC In Service
 IU type NPC(s) cannot be provisioned for Minor Alarm
 IW option is not allowed for new type of Clear-DS1 NPC
 Inconsistent Signaling on CEPT NPCTGs
 Inconsistent channel range width
 Invalid CEPT NPC
 Invalid CFT code
 Invalid FPI value
 Invalid FROM channel number
 Invalid MIU/MXR type specified
 Invalid NPC addressing scheme specified
 Invalid SLC Mode-III channel number
 Invalid TC specification
 Invalid TO channel number
 Invalid channel 000 cross-connection specified
 Invalid channel 031 cross-connection specified
 Invalid channel number
 Invalid circuit type
 Invalid keyword(s) combination specified
 Invalid line number
 Invalid link number specified
 Invalid poll time
 Invalid switch request for DCLU
 Leg type mismatch
 MUX or TRB invalid for cross-connection specified
 Mode I RT/DL IDs don't match for DGA/DGP on same DDC
 NAM invalid for cross-connection specified
 NDL option is specified for DGA
 NDL option is used without DGA
 NPC containing channel 000 is invalid type.
 NPC is a DGP
 NPC is channelized type
 NPC is not part of a one-way connection
 NPC number and bank id don't match

mmmm *Explanation*

NPC number and digroup name don't match
 NPC parameter only valid with TU type TLI
 NPC type is not DS type
 NPC type option Y is invalid for SLC-96 NPC
 NPC used as a timing reference
 NPC(s) actual type incompatible with TYPE keyword and/or alarm type
 No OOS keyword is given for out-of-service NPC
 No PM data available
 No mapped circuit under test; emode/fmode can't be changed.
 Number of transmitting ports does not match existing conference
 OLD and NEW Data and Parity channels partially overlap
 OLD and NEW channels cannot be the same
 OLD data channel cannot be parity channel type
 Old and new are the same NPC in a DS1 command
 One-way circuit under test; emode can't be changed.
 Operation mode and digroup name don't match
 Option not programmable for this NPC type
 PWR/MISC alarm is specified to a digroup other than DGA
 Parameter only valid with PA, PB, or PC type NPCs
 RT-DCLU cross-connect with different channel number
 RT-DCLU cross-connect with different ids
 RTF keyword and the operation mode does not match
 RTF keyword is used without DGA
 Range entered without FRC keyword
 Range not allowed for circuit type
 SC invalid for cross-connection specified
 Selectable AIS not valid for specified NPC(s) type
 Side specified for non-duplicated NPC
 Signaling processing is not activated for the channel
 Superuser logged on
 TG East/West type inconsistent with each other or circuit
 TS0 specified with width not 1
 TS16 specified for CAS TG
 TS16 specified for test with width not 1
 The RT id entered is not a retrofit one

mmmm *Explanation*

The common bit(s) is(are) not set in both FAC & PRIM
 The facility parameter not programmable for specified x or z parameter
 The parameter specified does not match with the NPC type
 The specified parameter is not applicable to operation mode of the RT
 Trunk type is not allowed in the circuit specified
 Unmatched channel range
 Unmatched channel range involving SLC Mode III termination
 Unrunnable CFT code
 Using the 24th channel of a DMI NPC
 Using the 24th channel of a T1DM NPC
 Virtual circuit is not specified for X.25 link
 XON/XOFF flow control is supported only on Snider link
 ZBTSI option is only valid with the ESF mode
 emode/fmode can't be changed under current test mode.
 x & z parameters on DSxyz are inconsistent

IDRG Command did not execute for any entity specified in the command

Ending channel is out of range
 First and Last NPCs are outside a module boundary
 First and Last NPCs are outside unit boundary
 Invalid FROM channel number range
 Invalid TO channel number range
 Invalid range for specified FROM NPC type
 Invalid range for specified NPC type
 Invalid range for specified TO NPC type
 NPC range crosses unit boundary
 OFFSET range is invalid
 Old and new chan on same NPC and within the range
 Only up to 4 historical data registers are allowed
 TG width too large for single NPCTG
 Threshold value is out of range
 Unit type (xyz) not supported
 input channel out of range (SLC not supported)

IICM Clear gateway test access disallowed.

SRDC timeslots are allocated on this NPC

IIDT AIS not entered for SPLTE/SPLTF/SPLTEF/LOOPE/LOOPF

mmmm *Explanation*

Database conference width does not match the range in input command
 Illegal BBL BBL combination
 Illegal BBL SYM combination
 Illegal BRD BRD combination
 Illegal BRD SYM combination
 Illegal LEG LEG combination
 Illegal SYM BBL combination
 Illegal SYM BRD combination
 Invalid change from previous mode
 Invalid change parameter combinations
 Invalid input BBL as fmd in ONE-WAY command
 Invalid input BBL in terminated TWOWAY/ONEWAY command
 Invalid input BRD as tmd in ONE-WAY command
 Invalid test mode for a one-way test session
 Invalid test mode for an unmapped test session
 Invalid use of CONV keyword
 NPC is a channelized NPC
 NPC is a non-channelized NPC
 NPC is not a F-end
 NPC is not a Facility Access Digroup
 NPC is not an E-end
 NPC type mismatch
 No NPC's out of service and OOS keyword used
 No RDLD or CUS circuits and INCL keyword used
 Report interval is not an integral number of accumulation interval
 TO side is not a DMB type NPC
 This NPC type does not allow unframed Clear-DS1
 Transmission parameters in command will not change existing settings
 Trunk conditioning is invalid
IIFM Bad FAC value entered
 Exceeded depth limit of 6 on broadcast conference concatenation
 FMC cannot be cross-connected in this format
 Invalid FROM NPC type for AIS insertion
 Invalid NPC type for AIS insertion
 Invalid TO NPC type for AIS insertion

mmmm	<i>Explanation</i>
	Try to operate a ONE-WAY conference with a TWO-WAY input command
	Try to operate a TWO-WAY conference with an ONE-WAY input command
IPNV	Accumulation Interval field is missing
	Accumulation Interval field is not allowed
	FAC keyword is invalid for this feature
	Historical data can not be specified
	Interval is not valid/not available
	Interval is not valid/not available
	Invalid direction specified for NTST TLA/TLR
	Invalid parameter combination
	Invalid use of INCL keyword
	Level field is not allowed
	MONDAT keyword is invalid for this feature
	MONDAT set to ALL is not allowed
	MONTIM set to ALL is not allowed
	Mismatch between channel 0 crossconnect and keywords
	Monitored Date field is not allowed
	Monitored Date field is not allowed
	Monitored Time field is not allowed
	Monitored Time field is not allowed
	NPC is non-channelized
	NPC number out of range
	No PM data available
	Only 15MIN for accumulation interval is allowed
	Only 15MIN for accumulation interval is allowed
	Only DAILY for accumulation interval is allowed
	Only DAILY for accumulation interval is allowed
	Only historical data can be specified
	Only one parameter is allowed
	PRIM keyword is invalid for this feature
	Scheduled reporting for this npc is inhibited
	Scheduling report could not be found
	The MONDAT and MONTIM parameters can not both be specified
	This NPC type does not allow Payload
NCON	No conditions

mmmm *Explanation*

SAAL	Feature is active Manual Pending is Active PA NPC threshold already in allow mode Protection switching is already allowed The switch is allowed (not inhibited)
SAAS	All channels assigned, cannot be grown as NPCTG Another NPC is grown and added as this digroup BCON BBL has one or more legs under test Channel(s) is already registered Channels assigned, cannot be grown as test group Channels assigned, cannot be grown as test port Conference Port is currently registered to a different channel New bank id is an assigned one TG number previously assigned Termination is already assigned Termination is in process of being rolled The MIU is already equipped channel already under test channel part of a TP or TG circuit contains mapped channels for HUB request
SAIN	Loop back inhibited for digroup No mapped slots on a tsi No unmapped slots on a bus PA NPC threshold already in inhibit mode Parity channel cannot be within the range of a DS0 command. Protection switching is already inhibited Subject entity is pested Termination is under test or is a test port or group The switch is already inhibited can't change option, inhibition is active
SAIS	Both syncs are in-service CCN side s is in service CRO is still equipped Conference already exists DS3U NPC already In-Service

mmmm *Explanation*

DSPI is in service
 MIU is already in service
 Mate NPC (DGA/DGP) is in service
 NPC not IU/TI type
 Some TLIs are still equipped
 Some TSIs to degrow are in service
 Subject entity is in service
 TLI 3 or 4 still equipped
 Test group is not idle or frame is not In Service
 Test port is not idle or frame is not inservice
 The MMFG is already In-Service
 The MXR is in service
 The selected FLI is IS and Pested and at least 1 Service MXR is eqd

SAOP RT's alarm exists

This signal is already being sent

SAOS

A DMB on the UNIT is OOS
 Both syncs are out-of-service
 CCB is out of service
 CCI is out of service
 CCN side s is out of service
 CCNI is out of service
 DSPI out-of-service
 ETSI is out of service
 FC out of service
 FLI is out of service
 FMT is out of service
 FTMI is out of service
 File has already been cleared
 Formatter (FMT) on active CCN side is Out-Of-Service
 IU/TI type NPC failed
 MIU is out of service
 MXR is out of service
 Mate CCN side is out of service
 Mate SYNC is out of service
 NPC out of service or failed

mmmm	<i>Explanation</i>
	Protection MIU is out of service
	Protection MXR is out of service
	Protection entity out of service or failed
	SYNC is out of service
	Service MIU is out of service
	Service MXR is out of service
	Subject entity is out of service
	Sync 0 is not in-service
	Sync 1 is not in-service
	The MMFG is Out Of Service
	The mate FLI is OOS and Protection MIU is equipped
	The mate FLI is OOS and Protection MXR is IS
	The mate FLI is OOS and at least one Service MXR is equipped
	The protection FLI is out of service or pested (TOPRTN option)
	The selected MIU associated with the NPC is Out-Of-Service
	The selected MXR associated with the NPC is Out-Of-Service
	The service FLI is out of service or pested (TOSRVC option)
	UC is out of service
SAPS	Frame ID is protected
	The Service MMFG is already under protection
	The protection FLI is already selected (TOPRTN option)
	can't change option, protection switch is active
SAPV	option LOCAL already exists
	option REMOTE already exists
SARB	Exceeded limit of reports with accum. interval of 15 min. or less
	Exceeded maximum limit of PM reports
SARL	No FADs were activated by link n
	No test ports were activated by link n
SATF	Can't run test on active side
SAWS	An autonomous switch is in progress
	C-bit modify function is active
	C-bit operations are enabled
	Conference exists in a DMB
	Mapped slots exist on a tsi
	NPC already allocated as sync timing source

mmmm *Explanation*

NPC already grown as non-synchronization source
 NPC already has Equipment Loopback
 NPC is already grown and added as SLC digroup
 The Service MMFG is not under protection
 The service FLI is already selected (TOSRVC option)

SNAS Connectivity contains unequipped units

SNIS CPR is out of service

Cannot clear journals for OOS unit
 DSPU unit controller is out of service
 NPC is OOS for a TGR command and OOS keyword not specified
 NPC not in service or failed
 RT/DL has unrestored DGA
 Sync source NPC is not inservice
 TD on one(both) sync(s) is not equipped or not in-service
 Unit(s) OOS, and additional backup required

SNOS In-service NPC change not allowed

Subject PWR to be cleared is not failed

SNVS (Timing Distributor) TLI is not equipped

1 hr >= 24 hr for DM opt
 15 min >= 24 hr for ERS opt
 15 min >= 24 hr for SERS opt
 15 min >= 24 hr for SLIP opt
 15 min >= 24 hr for US opt
 3 Timing Distributor type TLIs are equipped
 A DMB mode was assigned to a FTU-type NPC on the input
 A loopback is active on the FROM termination
 A loopback is active on the TO termination
 A user is already logged in on the link/vc
 Active CCN side is out of service
 Adding DL DGP forbidden for SLC 96 MD 1
 Alarm bits cannot be passed through or inverted
 All digroups not out of service
 Another signal already active prevents this signal from being sent
 Assignment of single priority to multiple SSPs
 At least one UC is OOS or At least one UC is failed

mmmm *Explanation*

At least one UC is not the correct type
 Attempt to add to a null transmitting port
 Attempt to remove a Service MIU which is under protection
 Attention: preceding ccode 83 is an anomaly - see problem list
 Autonomous loopback is active on DGA
 Backup required before executing this command
 Bad old_tape DB generic
 Bad sync mode
 Bad use of INCL, cannot override the current state of the conference
 Bad use of INCL, cannot use keyword on conf.-to-conf. connection
 Bit 3 provisioned for use as RAI3
 Bit 4 provisioned for use as RAIS
 Bit 4 provisioned for use as RBER
 Bit 5 provisioned for use as SFI
 Bit c not settable
 Bits 3 through 8 are provisioned for Transmic 1G
 Boot in progress, can't service request
 Both sides of CCN are OOS
 Broadcast unassigned channel/NPC in QRY,TO
 C-bit modify function is disabled
 CATP due to skipping continuity test for FMT
 CCB is inservice but failed
 CCI is inservice but failed
 CCI is not present
 CCNI is inservice but failed
 CPR in buffer overflow condition
 CRO type TLI (SSP portion not required)
 CUS flag doesn't match that of conference
 Can not use 12-th TP when NPCTP is in the T1DM or DMI mode
 Can't disconnect return leg unless entire conference disconnected
 Can't mount or unmount BOTH_MEM
 Can't mount or unmount PMEM
 Can't mount or unmount SMEM
 Can't mount or unmount old_tape
 Can't mount or unmount password recovery card

mmmm *Explanation*

Can't perform DMB CHG because NTR flag set on FROM side
Can't perform DMB CHG because NTR flag set on TO side
Can't start new session - previous session still verifying
Cannot create any more users
Cannot execute privileged command
Cannot perform DMB CHG on input direction A
Cannot perform DMB CHG on input direction B
Cannot perform DMB CHG on input direction F
Cannot perform DMB CHG on input direction G
Cannot perform DMB CHG on input direction L
Cannot perform DMB CHG on input direction T
Cannot remove Frame administrator
Cannot remove own link
Change not valid
Change to T1DM digroup with cross-connect that is not TRSP
Change to non-ESF digroup with 16-state cross-connect
Channel has a FAR, which is within the range
Channel or NPC not bridged
Channel out of bound in a BCON/v.c
Channels and conference port do not match
Clock absent for XPC to loop back
Combination of bit g (b7) and h (b8) is invalid
Command and protocol are inconsistent
Command invalid while backup in progress
Command is Frame administrator (DAX) only.
Conference Port is already registered to the same group of channels
Conference is LPD: has no switchable return leg
Conference is NTR: has no switchable return leg
Conference port is currently connected
Conference port is not registered
Conversion leg is terminated
Cross-connect to CPR is required
Customer controlled circuit, INCL not entered
DB MP or units ram error
DB retrofit fail

mmmm *Explanation*

DCTN conference channel cannot be rolled
 DGA is not added
 DGN on subject entity denied
 DGP is protecting a primary digroup
 DL ffff is used w/ operational mode other than Mode I
 DMI combined with T1DM
 DSPP not in service, or failed
 DSPP pack FTMI Failed or Out of Service
 DSPP pack NPC Failed or Out of Service
 DSPP pack UC Failed or Out of Service
 Database is empty
 Database is not empty
 Database not loaded
 Delete or change a leg from a conference that has no leg
 Deny Clear-2MB for Alternate Maps
 Deny SLC for Alternate maps
 Deny SP Type NPCs for Alternate Maps
 Deny non-channelized NPCs for Alternate Maps
 Designated TG or circuit to be tested in process of being rolled
 Different DSxyz types are used for DGA/DGP on same DDC for Mode I
 Digroup is protected
 Disable not allowed - supports another feature
 ETSI cannot be initialized when ECCN side is OOS or inservice but pested
 ETSI is inservice but failed
 ETSI is not present
 Entity can't be addressed in this configuration
 FC is inservice but failed
 FLI is inservice but failed
 FMT is in service but failed
 FPI on SMEM does not match one on PMEM
 FRC specified for protection, and service MMFG is In Service
 FROM is a two-way and no CONV specified
 FROM is not a backbone leg
 FTMI is PESTED
 FTMI is in service but failed

mmmm *Explanation*

FTMI type error
 Fail transfer DB from old_tape to SMEM
 Feature deactivation would leave system with core software
 Feature not enabled
 File already exists
 File doesn't exist/can't be accessed
 File is being accessed
 File is empty
 Firmware timing invalid for Transmic 1G NPC
 Flash Card is bad
 Flash Card is empty
 Flash Card is not present
 Frame is not in MCOND
 Frame time is not set
 Framed/Unframed clear 2Mbit/s NPC invalid for Automatic CRC-4
 Framed/Unframed clear 2Mbit/s NPC invalid for Firmware Timing
 Framed/Unframed clear 2Mbit/s NPC invalid for Transmic 1G, 2G
 G1 SMEM for SMEM->PMEM w/journals
 G4 to G4.1 retrofit failed
 Gateway test access not supported
 Hardware mismatch or not present
 INCL keyword needed when restricted Insertion Word specified
 IW is UMUX (18) but NPC not type DE4yz
 IW not allowed to be specified in Clear 2Mbit/s
 Illegal SSP type (not same as other SSPs)
 Illegal priority value
 Illegal test access mode for TS0
 Illegal test access mode for TS16
 Improper roll command sequence
 Inactive side NPC out of service and inactive side in service
 Incompatible types of NPCs in a DDC
 Incorrect language/addressing mode
 Incorrect number of parameters
 Incorrect or missing password
 Incorrect pack type in slot

mmmm *Explanation*

Initialization of application in progress,
 retry command later
 Input BRD (BBL) has same NPC and channel as BBL (BRD)
 Insufficient data for setting up a conference
 Invalid NPC number specified
 Invalid PWR/MISC alarm level
 Invalid combination of "x" and "y" values
 Invalid combination of "x" and "z" values
 Invalid executable on card
 Invalid option, mailbox or flag
 LEG mode was assigned to a DSPU-type NPC on the input
 LLB not initiated
 LPD invalid since existing conference is not already LPD
 Language "F" provisioned for this channel
 Language is not allowed
 Last link in service
 Line Loop Back is active
 Line format types are incompatible
 Link being used is not Link 1
 Logical conflicts found in the map
 Looped Circuit Access not allowed
 MP database not consistent with Configuration file
 Major/Minor BER threshold value is invalid for SLC NPCs
 Maj|Min BER threshold is 7, but not in T1DM or Fe mode
 Map/macro file write deferred until backup is completed
 Mapped parity channel(s) on new
 Mate RT/DL mode is different
 Mate sync pack denied command
 Maximum number of CPRs have already been grown for this unit
 Minor <= major for BER opt
 Minor >= major for COFA opt
 Minor >= major for SLIP opt
 Minor Slip threshold disabled before Major Slip threshold
 Mismatch between MXR and NPC types
 Mismatch between service MXR and protection MXR types

mmmm *Explanation*

NEW NPC already cross-connect or mapped channel(s) on new
 NPC addressing scheme selected is not allowed in the configuration file
 NPC as 12th test port can not change to DMI nor T1DM
 NPC has active circuit
 NPC has been designated as NPCTG
 NPC has been designated as NPCTP
 NPC invalid type
 NPC is NPCTG and chan 24 is used in a TG; Can't change to T1DM or DMI
 NPC is NPCTG, changing to CAS/NSA is not allowed
 NPC is a Facility Access Digroup
 NPC is a test port
 NPC is not a NPCTG
 NPC is not a NPCTP
 NPC is not added
 NPC is not designated for this NPCTP/NPCTG
 NPC is still provisioned to provide sync timing
 NPC not DA or TA type.
 NPC not deleted
 NPC not designated as sync timing source
 NPC providing timing to inservice SSP
 NPC type error
 NPC type is inconsistent with FTMI type
 NPC type option xyz is unassigned
 NPC type option xyz is unassigned or invalid for feature package
 NTR invalid since existing conference is not already NTR
 New NPC same as existing one
 New in CGA or PBA
 No CBTYPE NPC capacity remaining
 No DL digroups can be added until the associated RT bank is created
 No Facility Line Interface (FLI) is In Service
 No SAFE alarm for DGP
 No available timeslots on any of the inservice NPCS associated with FC/FMT
 No edit session active
 No equalization for CEPT FTMI
 No macro is currently executing

mmmm *Explanation*

No mapped channel on old
 No protection switch is currently active
 No signals active
 No unmapped time slot
 No user is logged in on the link/vc
 No user/link needs to be changed
 No zeros allowed for DAX privilege
 Not Timing Extractor type TLI (not SSP)
 Not a CRO TLI
 Not a DACS II compatible Flash Card
 Not enough DSPPs are in service
 Not enough TSIs for CCB test
 Not first channel in a BCON/virtual conf
 Not valid for frame administrator
 Number of DGPs on each unit is limited to 32
 Number of SLC RT's on each unit is limited to 80
 OLD termination is not mapped
 Obsolete circuit type
 Old and new channels have not been paired by a BCAST command.
 Old_tape is not present
 Old_tape unit is not restored
 Old_tape with journal
 One of the FAR end channels is being rolled
 One of the far NPC(s) is SLC
 One or more FADs could not be released
 One or more test ports could not be released
 One way unassigned channel/NPC in QRY,TO
 Only one channel allowed to have this language
 Option NOT leg can not appear with F, T, or B
 Option NOT leg is not a FTU leg
 Option NOT leg is not in conference
 Other FLI is OOS
 Other NPC on this DDC not the same digroup for Mode I DGA/DGP
 PDI Version number mismatch
 PMEM and SMEM are different

mmmm *Explanation*

PMEM and SMEM synchronization fail
 PMEM error, boot from SMEM
 PMEM not in service or not ready
 PMEM not restored
 Parity channel out of bound on new
 Password recovery card is not READ-only
 Point number mismatch
 Priority values are same
 Problem occurred while accessing BOTH_MEM
 Problem occurred while accessing PMEM
 Problem occurred while accessing SMEM or unformatted SMEM
 Problem occurred while accessing old_tape
 Protection switch existing is autonomous
 RCV continuity test won't be run: SYNC OOS or pested
 RCV continuity test won't be run: at least one timeslot in use
 RCV continuity test won't be run: no DMB timeslots available
 RCV continuity test won't be run: no available inservice NPCS for FC/FMT
 RDLD flag doesn't match that of conference
 RTBC conference exists
 Range overlapping between FROM and TO or between two TOs
 Ranges of old and new do not match
 Reading Feature Package Id from PMEM failed
 Red circuit, INCL not entered
 Release number mismatch
 Report already exists
 SLC 96 MD 1 RT DGP requires mate NPC to be unequipped
 SMEM error, boot from PMEM
 SMEM is not present
 SMEM unit is not restored
 SR NPC was specified - not allowed
 SSC Diagnostic Failure
 SSP number is illegal
 SSP number required
 SSP type(options) same
 SSP with 0 priority present

mmmm *Explanation*

SSP with non 0 priority present
 SYNC is inservice but failed
 Signaling state of the trunk failed for the channel
 Skip error summary since adjacent pack not in service or pested
 Software Identification Block failed comparison
 Software Identification Block is not readable
 Some associated NPCs are equipped
 Some circuits not activated,cleared or pictured
 Source does not contain requested information
 Specified width does not match existing conference width
 Stratum not allowed
 Sync architecture different
 Sync architecture is same
 Sync mode is same
 Sync stratum is same
 Syncs are equipped
 System macro/map space is full
 T1DM or DMI mode and channel 24 is connected
 TB type in hardware mismatches DB
 TO is a part of the same conference as a previous TO
 TO is already the return leg
 TO is not a leg of this/any conference
 TO is the backbone leg of a conference
 TO side of two-way to be converted is not an FTU NPC
 TS0 connected to nonTS0 in Mode 2 - "a" should be "-" or equal to "b"
 Termination is a test port
 Termination is protected (RDLD)
 Termination is under customer control (CUS)
 Termination is under test
 Test ports must be on CAS
 Test session already exists
 Testport/testgroup channel cannot be rolled
 The INCL keyword is needed for DGA
 The MMFG is protected
 The NDL options are different for DGA's on the same DDC for Mode I

mmmm *Explanation*

The NPC of VC BBL leg doesn't match that in the input command
 The NPC to delete has not been previously added to map
 The OLD or NEW NPC is already being rolled.
 The associated MMFG is under protection (for Service MIUs)
 The associated MXR is In-Service but pested
 The conference does not exist
 The first channel of VC BBL leg doesn't match that in the input command
 The first channel of VC BRD leg doesn't match that in the input command
 The input BRD leg is not in VC
 The map is not valid
 The mode of the RT is not applicable
 The reference map does not exist
 The requested digroup is carrying service
 The selected MIU associated with the NPC is In-Service but failed
 The selected MXR associated with the NPC is In-Service but failed
 The session is terminated due to maintenance operation
 The total number of receiving ports specified exceeds the max.
 There are no INS MXRs to run test on
 Timeslot channel numbering not allowed with CAS
 Timing Extractor type TLI (need SSP info)
 Timing Extractor type TLIs are present
 Transmic 1G NPC designated as SYNC source invalid
 Transmitting port cannot be dropped
 Tried to disconnect a nonexistent VC
 Trunk conditioning doesn't match that of conference
 Try to add a BBL to VC, but the VC already has backbone
 Try to delete a BBL leg from VC; however, VC has no BBL leg
 Try to delete a BRD leg from VC; however, VC has no BRD leg
 Trying to add a BBL leg to a conference set up as SYM
 Trying to add a BBL to a DMB conference that already has one
 Trying to add a SYM leg to conference set up as broadcast
 Trying to add a broadcast leg to a conference set up as SYM
 Trying to add or delete a leg when a conference is under test
 Trying to change in NTR direction
 Trying to change level in on BBL leg

mmmm *Explanation*

Trying to change level out on BRD leg
 Two digroups from same bank added to different FTMLs
 UC is in service but failed
 Unable to verify Configuration file since MP DB not loaded
 Unassigned operational mode
 Unframed clear 2Mbit/s NPC invalid for Bit 4 used as RA IS/RBER
 Unframed clear 2Mbit/s NPC invalid for TS0 processing
 Unit is not FTU type
 Unit type error
 Unmapped channel(s) on old
 Unpestering error registers for subj. entity failed
 Use of this NPC is RESERVED for SLC 96 MD 1
 User does not exist
 User has been created
 User has logged in somewhere
 User is not logged in
 User logged off during session
 User login-id is not DAX
 User macro/map space is full
 User quit the menu
 User still owns files
 Width of existing two way does not match conference width
 Write to CPR failed
 Writing Feature Package Id to PMEM failed
 Wrong SSP type(Timing Extractor type)
 Wrong TLI type
 Wrong TLI type (need CRO grow command)
 X option is illegal
 XMIT continuity test won't be run: CFT code specified
 XMIT continuity test won't be run: no XMIT timeslots available
 Y option is illegal
 Z option is illegal
 channel is OCON in opposite direction
 circuit already terminated
 circuit not terminated

mmmm *Explanation*

hub id not set when MJU pack grown

invalid mode for TLA/TLR

invalid test access mode

SOSF All CBTYPE NPCs out of service or failed

DSPU unit controller is failed

SPFA No protection is available for the Service MMFG

Protection switch process failed

SPSW The Protection MMFG is selected, and auto. switchback is unavailable

The protection MMFG is serving another facility

SROF (NPC) Hardware mismatch

BOOT on subject entity failed

CCN denied request

Can't lock or unlock ram database

Circuits TCONed itself cannot be UTST

DB can't get the slave mail box

DB can't send or receive mail

DGN on subject entity failed

Failed to boot CI

Failed to boot CONF file

Failed to boot DB

Failed to boot journal--recurrence indicates database corruption

Failed to boot subject CCN side

Failed to boot unit

Failed to switch SYNC side

General boot failure (vanilla flavor)

IU/TI type NPC

MIU is failed

MXR is failed

Mismatch between MXR and MIU HDW types

NPC Failed or Out of Service

No Memory Backup Has Been Scheduled

None of the designated NPCTG(s) are equipped

None of the designated TG(s) are equipped

PMEM verification failed

RST failed to boot DB

mmmm *Explanation*

RST failed to boot program
 SSC software out of date
 Sync not completely reset
 Sync pack denied command
 Syncs failed to cross couple
 The MIU boot failed
 The MIU diagnostics failed
 The MXR boot failed
 The MXR diagnostics failed
 Unit 1 denied request
 Unit 2 denied request
 Unit 3 denied request
 Unit 4 denied request
 Unit 5 denied request
 Unit 6 denied request
 Wrong MXR type grown for this MIU

SRTN Test Port release failed

Test group release failed

SWFA Active CCN side not IS or failed or pested or hardware OOS

Boot TLI failed
 Checksums verification failed
 DB PMEM error OP-CL-RD-WR-SK
 DB SMEM error OP-CL-RD-WR-SK
 DSPI failed
 Data link failed
 Device failed to format
 Device failed to initialize
 Far end failed to respond
 Hardware database mismatch
 MXR LOS with unselected FLI
 Selected FLI has LOC with at least one inservice MXR
 Sync is not configured yet
 Unselected FLI has LOS with at least one inservice MXR

mmmm	<i>Explanation</i>
NCON	No conditions
SAOP	SYNC autonomously restarted itself
SAOS	CRO declared OOS
	Mate link down
	Mate out of service
	TL out of service or loss of signal
SARL	TL error cleared
	TLI error cleared
SAWS	SYNC switched TLIs/SSPs
	SYNC switched to FAST mode
	SYNC switched to HOLDOVER
	SYNC switched to NORMAL mode
	SYNC switched to cross couple
SROF	BX Access Error
	BX stuck CCNI summary bit
	BX stuck summary bit
	Both syncs time base oven is cold
	CCNI summary bit set; no more info
	CPR serial access error
	DMB access error (e.g. pack not there)
	FC can't be accessed
	FLI access error
	FMT access error
	Invalid DDC pack id
	Invalid FPA state
	MIU access error
	MJU serial access error
	MXR access error (can't access pack)
	NPC can not be accessed
	NPC is alarming on FC
	Pack can't be accessed
	SRM serial access error
	TB i/o err. cant read TB packid or oven monitor
	Time base frequency drift
	Time base oven is cold

mmmm *Explanation*

SWFA	Unknown what sync switched to
	Address Parity Error
	Address bus parity error
	Autonomous switch enable error
	BX Ram Parity Over High Byte
	BX Ram Parity Over Low Byte
	Bad EMXR Acknowledgement
	Bad Ram Data in DMB device (bits alarms)
	Bad UBX pack
	Bus Error Alarm
	Bus Terminator pack is not present
	Bus address error
	Bus status register parity error
	CC configuration register error
	CC exercise error
	CC instruction ram error
	CC parity error
	CC receiver data error
	CC summary bit error
	CC transmit data error
	CCB clock error
	CCB input port alarm error
	CCB packid error, wrong pack, can't read pack
	CCB sync pulse error
	CCB zero bit is stuck at 1
	CCI -5.2 power supply has failed
	CCI 240 sync is misaligned with frame sync
	CCI Peripheral Unit Alarm
	CCI detected Address Parity error
	CCI detected Bus Status Parity error
	CCI detected high byte data parity error
	CCI detected low byte data parity error
	CCI loss of 240 Frame Sync
	CCI loss of 8 KHz Frame Sync
	CCI pack is not present

mmmm *Explanation*

CCI pack's summary is set but has no errors
 CCIERR bit is stuck in system status reg
 CCNI access error (cannot access pack)
 CCNI stuck register bit, summary set, no other alarms
 CEC bit on PRISM not cleared
 CIA Device Error
 CIB Device Error
 CIC Device Error
 CPR D-Bit interface parity error
 CPR FIFO FRDY/FFULL stuck bit
 CPR clock error
 CPR control memory failure
 CPR control memory or state machine failure
 CPR input data interface error
 CPR processor interface failure
 CPU RAM Parity error
 CPU internal bus error
 CPU parallel bus parity error
 CPU serial bus parity error
 CRO error, unknown due to link, SYNC error
 CRO frequency offset
 CRO loss of energy CRO error
 CRO loss of energy detected SYNC error
 Can't access link
 Can't communicate to CCI pack(incorrect version number)
 Can't communicate to ETSI pack (incorrect version number)
 Channel controller frame sync error
 Channel controller loss of clock
 Chip ID Comparison
 Circuit ID Error
 Conference 0 DMB device (chip) error
 Conference 0 DMB input data parity error
 Conference 0 control interface error
 Conference 0 control ram parity error
 Conference 1 DMB device (chip) error

mmmm *Explanation*

Conference 1 DMB input data parity error
 Conference 1 control interface error
 Conference 1 control ram parity error
 Control Memory 0 DMB input data parity error
 Control Memory 0 control interface error
 Control Memory 0 control ram parity error
 Control Memory 0 loss of sync error
 Control Memory 1 DMB input data parity error
 Control Memory 1 control interface error
 Control Memory 1 control ram parity error
 Control Memory 1 loss of sync error
 Control RAM BIST flag is set
 Control RAM address parity error
 Control RAM circuit pack parity
 Control RAM device can't be accessed (incorrect chip Id)
 Control RAM device is in reset state
 Control RAM parity error
 Control RAM port alarm
 Control RAM port alarm summary is stuck
 Control RAM stuck bit error
 Control RAM sync alarm
 Control RAM write data parity error
 Control data readable output latch error
 Corresponding CCNI bit is stuck
 Cross couple fast lock range
 Cross couple frequency offset error
 Cross couple loss of energy
 Cross couple out of lock
 Cross couple real time violation
 D5 Spare Bit Error
 D7 Spare Bit Error
 DDC Stuck Bit on FTMI
 DMB FIFO error
 DMB bits stuck in exercise register
 DMB clock error

mmmm *Explanation*

DMB conference error 0 (used for trans)
 DMB conference error 1 (used for trans)
 DMB control memory error 0 (used for trans)
 DMB control memory error 1 (used for trans)
 DMB data processing error
 DMB parallel access error
 DMB serial access error (pack not there)
 DPC ROM error
 DPC loss of timing
 DSPI access error (e.g. pack not there)
 DSPI bus address parity error
 DSPI bus data parity error
 DUART error
 Data RAM BIST flag is set
 Data Strobe Signal
 Device clock error
 Device control ram parity error
 Duplex entity failed diagnostics
 EMXR DUART error
 EMXR Timer error
 EPROM checksum error
 ETSI Rcv MDX summary stuck bit
 ETSI TRD3ST exercise bit is set
 ETSI TX MDX summary stuck bit
 ETSI control RAM summary stuck bit
 ETSI loss of 240 frame sync
 ETSI loss of 32.768 MHz clock
 ETSI loss of Vdd (3.3v) power
 ETSI pack is not present
 ETSI pack's summary is set on CCI but has no errors
 ETSI ready high error on CCI
 ETSI ready time-out error on CCI(ETSI can't be accessed)
 Error due to unused bit
 Error due unknown reasons
 Error from side 0 bus extension

mmmm *Explanation*

Error from side 1 bus extension
 Error in HSCC register
 Error in PRISM register
 FC Stuck Bit on FTMI
 FLI address bus parity error
 FLI circuit id error
 FLI communication link error
 FLI frame sync or internal error
 FLI lock and key alarm
 FLI loss of clock
 FLI loss of signal
 FLI register bit stuck
 FMT 0-4TF timing error
 FMT FIFO or control PROM error
 FMT RF control bus error
 FMT RF port alarm; no monitor alarms
 FMT RF port and monitor alarms
 FMT TF control bus error
 FMT TF device or clock receiver error
 FMT bus timeout
 FMT communication link error
 FMT error summary 1 stuck bit
 FMT error summary 2 stuck bit
 FMT link id error
 FMT lock override, active select or kill parity
 FMT multiple TF clock error
 FMT multiple TF network data error
 FMT multiple TF sync error
 FMT serial address parity error
 FMT single TF network data error
 FMT single TF sync error
 FMT timing error
 FMT timing error, RF data parity
 FTMI lost clock
 Facility Processor Sanity Error

mmmm *Explanation*

Facility errors
Failed to write XPC register
Fan Bank One Error Flag
Fan Bank Zero Error Flag
Firmware error
Frame Audit reboot DDC failure
Hard Error stuck bit
Hard RAM error
Hard ROM check error
Hardware Boot Failed
Hardware Failure
Hardware database mismatch
High data byte bus parity error
Illegal exercise bits set
Illegal/unknown condition code
Interrupt controller error
Interrupt holding register error
Invalid code checksum
Loss of energy on generated SYNC pulse
Loss of energy on output of frequency synth.
Loss of energy on output of phase shifter
Loss of energy on time base strobe signal
Loss of timing alarm
Lost Clear-To-Send signal on X.25 links
Low data byte bus parity error
MIU communication link error
MIU got reset
MJU clock error
MJU control memory failure
MJU control memory or state machine failure
MJU error correction circuitry failure
MJU input data interface failure
MJU output block failure
MJU processor interface failure
MJU sampling circuitry failure

mmmm *Explanation*

MP-SYNC communications failure
MTC stuck summary bit
MXR 45MHz is not phase locked to system clock
MXR DS3 loss of signal
MXR HSCC device error
MXR LCA error
MXR M12 device error
MXR M12 summary stuck error
MXR M13 summary stuck bit error
MXR M23 device error
MXR M23 summary stuck error
MXR PIF Bus Parity Error
MXR PIF I/O device error
MXR RAM error
MXR ROM error
MXR channel controller configuration register error
MXR channel controller exercise error
MXR channel controller frame sync error
MXR channel controller instruction ram error
MXR channel controller loss of clock
MXR channel controller parity error
MXR channel controller receiver data error
MXR channel controller stuck bit error
MXR channel controller transmit data error
MXR communication link error
MXR facility error stuck bit
MXR firmware error
MXR hard error stuck bit
MXR loss of clock from unselected FLI
MXR pack is in reset state
MXR program error
MXR queue overflow
MXR transceiver framer error
MXR transceiver receive sync error
MXR transceiver summary stuck bit error

mmmm *Explanation*

MXR transceiver transmitter error
 MXR unknown error
 Mate sync hardware error
 Multiple clock errors, CCB/SYNC problem
 Multiple data parity error, CCB problem
 NPC address parity error
 NPC bus error
 NPC's facility queue overflow condition
 OOS RAM test ran while IS
 Output data parity error (from an FTM)
 PLL end of range
 PLL end of range implicating TL
 PLL excessive phase error (125 uSec out of phase)
 PLL fast start time out
 PLL real time violations
 PUERR bit is stuck in system status reg
 Pack id error, can't read pack
 Packet layer parameters are mismatched between DACS II and the network
 Peripheral unit port alarm (RCV MDX)
 Phase/frequency output latch error
 Possible power failure on side
 Power Failure
 Queue overflow error
 R20 counter reaches limit
 RAM data error
 RAM data error, RAM address line stuck
 RF bus error
 ROM checksum error
 Receive MDX address parity error
 Receive MDX can't be accessed (incorrect chip Id)
 Receive MDX data source time slot parity error
 Receive MDX sync error
 Receive MDX write data parity error
 Receiver Formatter Error
 Receiver Time-out

mmm *Explanation*

SRM clock error
 SRM control memory failure
 SRM error correction block failure
 SRM input data interface failure
 SRM multiplexor block failure
 SRM output block failure
 SRM processor interface failure
 SYNC Error
 SYNC summary is set on CCI circuit pack
 Sanity Time-out
 Sanity Timer Interrupt
 Source of error is unknown
 Source of error was not found
 Stuck bit in register
 Sync says its down
 Sync says its time base is down
 T3 timer expires
 TL error reported, unknown
 TLI error, link went down before status read
 TLI hardware error
 TSI device error
 TSI device id error, cannot read device
 TSI stuck bit, summary bit set, no devices alarming
 TSIERR bit is stuck in system status reg
 The 32 MHz clock is out of lock
 Time base loss of energy detector
 Timeout for Yellow Inhibit/Enable Request
 Timeout while waiting for msg from EMXR
 Timer 1 error
 Timer 2 error
 Timer Error
 Timing Extractor type TLI has autobaud failure
 Timing Extractor type TLI has hardware problem
 Too many interrupts or illegal interrupt from XPC
 Transceiver A Error

mmmm *Explanation*

Transceiver A stuck bit
Transceiver A transmit slip
Transceiver B Error
Transceiver B stuck bit
Transceiver B transmit slip
Transmit Formatter Error
Transmit MDX address parity error
Transmit MDX can't be accessed (incorrect chip Id
Transmit MDX data parity error
Transmit MDX data source time slot parity error
Transmit MDX sync error
Transmit MDX write data parity error
Transmit Time-out
Transmit time-out because Clear To Send lost
Transmit underrun threshold exceeded
Uart error
Unit could not be reset
Unit failed sanity check
Unknown DPLL error
Unknown PLL error, link went down before reading status
Unknown interrupt from BX
Unknown interrupt from MTC
Unknown mate error, link went down before read status
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softerr failure which forces link removal

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